Protection and Control Relay

615 GRID AUTOMATION SERIES

IEC 61850 Model Implementation Conformance Statement (MICS) for 615 GA SERIES

ABB

Table of Contents

1 About this manual ... 17
1.1 Read it first! ... 17
1.2 Document information ... 17
1.3 Safety Information ... 17
2 Abbreviations and Definitions ... 19
2.1 Abbreviations ... 19
2.2 Definitions ... 19
3 References ... 20
4 Introduction ... 20
5 615 GA SERIES Model Implementation ... 21
5.1.1 LN: SECRSYN1 Name: RSYN (ED2,ED1) ... 21
5.1.2 3.2.2 LN: PHSVPR2 Name: SVPR (ED2,ED1) ... 24
5.1.3 3.2.3 LN: VMMXU2 Name: MMXU (ED2,ED1) ... 25
5.1.4 3.2.4 LN: VAVMMXU2 Name: MMXU (ED2,ED1) ... 26
5.1.5 3.2.5 LN: VSMSQI2 Name: MSQI (ED2,ED1) ... 27
5.1.6 3.2.6 LN: FMMXU2 Name: MMXU (ED2,ED1) ... 27
5.1.7 3.2.7 LN: LLN0 Name: LLN0 (ED2,ED1) ... 27
5.1.8 3.2.8 LN: LPHD1 Name: LPHD (ED2,ED1) ... 29
5.1.9 3.2.9 LN: LINF1 Name: LINF (ED2,ED1) ... 30
5.1.10 3.2.10 LN: LDEV1 Name: LDEV (ED2,ED1) ... 32
5.1.11 3.2.11 LN: GSAL1 Name: GSAL (ED2,ED1) ... 36
5.1.12 3.2.12 LN: IHMI1 Name: IHMI (ED2,ED1) ... 38
5.1.13 3.2.13 LN: XGGIO100 Name: GGIO (ED2,ED1) ... 38
5.1.14 3.2.14 LN: LEDGGIO1 Name: GGIO (ED2,ED1) ... 40
5.1.15 3.2.15 LN: LEDPTRC1 Name: PTRC (ED2,ED1) ... 44
5.1.16 3.2.16 LN: GSELPRT1 Name: LPRT (ED2,ED1) ... 44
5.1.17 3.2.17 LN: MMSLPRT1 Name: LPRT (ED2,ED1) ... 45
5.1.18 3.2.18 LN: GNRLLTMS1 Name: LTMS (ED2,ED1) ... 47
5.1.19 3.2.19 LN: GNRLLTIM1 Name: LTIM (ED2,ED1) ... 50
5.1.20 3.2.20 LN: PHIPTOC1 Name: PTOC (ED2,ED1) ... 51
5.1.21 3.2.21 LN: DPHLPTOC1 Name: PTOC (ED2,ED1) ... 52
5.1.22 3.2.22 LN: DPHLRDIR1 Name: RDIR (ED2,ED1) ... 54
5.1.23 3.2.23 LN: DPHLPTOC2 Name: PTOC (ED2,ED1) ... 55

5.1.24 3.2.24 LN: DPHLRDIR2 Name: RDIR (ED2,ED1) 57
5.1.25 3.2.25 LN: DPHHPTOC1 Name: PTOC (ED2,ED1) 58
5.1.26 3.2.26 LN: DPHHRDIR1 Name: RDIR (ED2,ED1) 60
5.1.27 3.2.27 LN: DPHHPTOC2 Name: PTOC (ED2,ED1) 61
5.1.28 3.2.28 LN: DPHHRDIR2 Name: RDIR (ED2,ED1) 62
5.1.29 3.2.29 LN: EFIPTOC1 Name: PTOC (ED2,ED1) 64
5.1.30 3.2.30 LN: DEFLPTOC1 Name: PTOC (ED2,ED1) 64
5.1.31 3.2.31 LN: DEFLRDIR1 Name: RDIR (ED2,ED1) 66
5.1.32 3.2.32 LN: DEFLPTOC2 Name: PTOC (ED2,ED1) 68
5.1.33 3.2.33 LN: DEFLRDIR2 Name: RDIR (ED2,ED1) 69
5.1.34 3.2.34 LN: DEFHPTOC1 Name: PTOC (ED2,ED1) 71
5.1.35 3.2.35 LN: DEFHRDIR1 Name: RDIR (ED2,ED1) 73
5.1.36 3.2.36 LN: DEFHPTOC2 Name: PTOC (ED2,ED1) 74
5.1.37 3.2.37 LN: DEFHRDIR2 Name: RDIR (ED2,ED1) 76
5.1.38 3.2.38 LN: MFADPSDE1 Name: PSDE (ED2,ED1) 78
5.1.39 3.2.39 LN: MFADRDIR1 Name: RDIR (ED2,ED1) 79
5.1.40 3.2.40 LN: PDNSPTOC1 Name: PTOC (ED2,ED1) 80
5.1.41 3.2.41 LN: ROVPTOV1 Name: PTOV (ED2,ED1)..... 81
5.1.42 3.2.42 LN: PHPTUV1 Name: PTUV (ED2,ED1)..... 82
5.1.43 3.2.43 LN: PHPTOV1 Name: PTOV (ED2,ED1) 83
5.1.44 3.2.44 LN: FRPTRC1 Name: PTRC (ED2,ED1) 85
5.1.45 3.2.45 LN: FRPTOF1 Name: PTOF (ED2,ED1) 85
5.1.46 3.2.46 LN: FRPTUF1 Name: PTUF (ED2,ED1) 86
5.1.47 3.2.47 LN: FRPFRC1 Name: PFRC (ED2,ED1) 86
5.1.48 3.2.48 LN: T1PTTR1 Name: PTTR (ED2,ED1)..... 87
5.1.49 3.2.49 LN: CCBRBRF1 Name: RBRF (ED2,ED1)..... 89
5.1.50 3.2.50 LN: INRPHAR1 Name: PHAR (ED2,ED1) 91
5.1.51 3.2.51 LN: TRPPTRC1 Name: PTRC (ED2,ED1)..... 92
5.1.52 3.2.52 LN: TRPPTRC2 Name: PTRC (ED2,ED1)..... 93
5.1.53 3.2.53 LN: MAPGAPC1 Name: GAPC (ED2,ED1)..... 93
5.1.54 3.2.54 LN: MAPGAPC2 Name: GAPC (ED2,ED1)..... 95
5.1.55 3.2.55 LN: LSHDPTRC1 Name: PTRC (ED2,ED1)..... 96
5.1.56 3.2.56 LN: LSHDPTUF1 Name: PTUF (ED2,ED1) 97
5.1.57 3.2.57 LN: LSHDPFRC1 Name: PFRC (ED2,ED1) 97

5.1.58 3.2.58 LN: LSHDPTOF1 Name: PTOF (ED2,ED1) 97
5.1.59 3.2.59 LN: SCEFRFLO1 Name: RFLO (ED2,ED1) 98
5.1.60 3.2.60 LN: FLO1RFRC1 Name: RFRC (ED2,ED1) 100
5.1.61 3.2.61 LN: SCEF1ZLIN1 Name: ZLIN (ED2,ED1) 102
5.1.62 3.2.62 LN: SCEF2ZLIN1 Name: ZLIN (ED2,ED1) 103
5.1.63 3.2.63 LN: SCEF3ZLIN1 Name: ZLIN (ED2,ED1) 103
5.1.64 3.2.64 LN: DARREC1 Name: RREC (ED2,ED1) 104
5.1.65 3.2.65 LN: ATSABTC1 Name: ABTC (ED2,ED1) 115
5.1.66 3.2.66 LN: SSCBR1 Name: SCBR (ED2,ED1) 116
5.1.67 3.2.67 LN: SPH1SCBR1 Name: SCBR (ED2,ED1) 122
5.1.68 3.2.68 LN: SPH2SCBR1 Name: SCBR (ED2,ED1) 123
5.1.69 3.2.69 LN: SPH3SCBR1 Name: SCBR (ED2,ED1) 123
5.1.70 3.2.70 LN: SSIMG1 Name: SIMG (ED2,ED1)..... 124
5.1.71 3.2.71 LN: SSOPM1 Name: SOPM (ED2,ED1) 124
5.1.72 3.2.72 LN: TCSSCBR1 Name: SCBR (ED2,ED1)..... 125
5.1.73 3.2.73 LN: TCSSCBR2 Name: SCBR (ED2,ED1)..... 126
5.1.74 3.2.74 LN: SEQSPVC1 Name: SPVC (ED2,ED1) 126
5.1.75 3.2.75 LN: PHSVPR1 Name: SVPR (ED2,ED1) 128
5.1.76 3.2.76 LN: CMMXU1 Name: MMXU (ED2,ED1) 130
5.1.77 3.2.77 LN: CAVMMXU1 Name: MMXU (ED2,ED1) 131
5.1.78 3.2.78 LN: CMAMMXU1 Name: MMXU (ED2,ED1) 131
5.1.79 3.2.79 LN: CMIMMXU1 Name: MMXU (ED2,ED1)..... 132
5.1.80 3.2.80 LN: CSMSQI1 Name: MSQI (ED2,ED1)..... 132
5.1.81 3.2.81 LN: RESCMMXU1 Name: MMXU (ED2,ED1)..... 133
5.1.82 3.2.82 LN: RCAVMMXU1 Name: MMXU (ED2,ED1) 133
5.1.83 3.2.83 LN: RCMAMMXU1 Name: MMXU (ED2,ED1) 134
5.1.84 3.2.84 LN: RCMIMMXU1 Name: MMXU (ED2,ED1) 134
5.1.85 3.2.85 LN: VMMXU1 Name: MMXU (ED2,ED1) 135
5.1.86 3.2.86 LN: VAVMMXU1 Name: MMXU (ED2,ED1) 136
5.1.87 3.2.87 LN: PEMMXU1 Name: MMXU (ED2,ED1) 136
5.1.88 3.2.88 LN: PEMMTR1 Name: MMTR (ED2,ED1) 137
5.1.89 3.2.89 LN: PEAVMMXU1 Name: MMXU (ED2,ED1)..... 138
5.1.90 3.2.90 LN: PEMAMMXU1 Name: MMXU (ED2,ED1) 138
5.1.91 3.2.91 LN: PEMIMMXU1 Name: MMXU (ED2,ED1)..... 139

5.1.92 3.2.92 LN: SPEMMXU1 Name: MMXU (ED2,ED1) 139
5.1.93 3.2.93 LN: SPE1MMTR1 Name: MMTR (ED2,ED1) 140
5.1.94 3.2.94 LN: SPE2MMTR1 Name: MMTR (ED2,ED1) 141
5.1.95 3.2.95 LN: SPE3MMTR1 Name: MMTR (ED2,ED1) 142
5.1.96 3.2.96 LN: SPEAVMMXU1 Name: MMXU (ED2,ED1)..... 143
5.1.97 3.2.97 LN: SPEMAMMXU1 Name: MMXU (ED2,ED1) 144
5.1.98 3.2.98 LN: SPEMIMMXU1 Name: MMXU (ED2,ED1)..... 144
5.1.99 3.2.99 LN: FMMXU1 Name: MMXU (ED2,ED1) 145
5.1.100 3.2.100 LN: TPGAPC1 Name: GAPC (ED2,ED1) 145
5.1.101 3.2.101 LN: TPGAPC2 Name: GAPC (ED2,ED1) 146
5.1.102 3.2.102 LN: TPSGAPC1 Name: GAPC (ED2,ED1) 146
5.1.103 3.2.103 LN: TPMGAPC1 Name: GAPC (ED2,ED1) 147
5.1.104 3.2.104 LN: PTGAPC1 Name: GAPC (ED2,ED1) 147
5.1.105 3.2.105 LN: PTGAPC2 Name: GAPC (ED2,ED1) 149
5.1.106 3.2.106 LN: TOFGAPC1 Name: GAPC (ED2,ED1) 150
5.1.107 3.2.107 LN: TOFGAPC2 Name: GAPC (ED2,ED1) 151
5.1.108 3.2.108 LN: TONGAPC1 Name: GAPC (ED2,ED1) 152
5.1.109 3.2.109 LN: TONGAPC2 Name: GAPC (ED2,ED1) 154
5.1.110 3.2.110 LN: SRGAPC1 Name: GAPC (ED2,ED1) 155
5.1.111 3.2.111 LN: SRGAPC2 Name: GAPC (ED2,ED1) 156
5.1.112 3.2.112 LN: MVGAPC1 Name: GAPC (ED2,ED1) 158
5.1.113 3.2.113 LN: MVGAPC2 Name: GAPC (ED2,ED1) 159
5.1.114 3.2.114 LN: MVGAPC3 Name: GAPC (ED2,ED1) 159
5.1.115 3.2.115 LN: MVGAPC4 Name: GAPC (ED2,ED1) 160
5.1.116 3.2.116 LN: MVGAPC5 Name: GAPC (ED2,ED1) 161
5.1.117 3.2.117 LN: MVGAPC6 Name: GAPC (ED2,ED1) 162
5.1.118 3.2.118 LN: MVGAPC7 Name: GAPC (ED2,ED1) 163
5.1.119 3.2.119 LN: MVGAPC8 Name: GAPC (ED2,ED1) 164
5.1.120 3.2.120 LN: SPCGAPC1 Name: GAPC (ED2,ED1) 164
5.1.121 3.2.121 LN: SPCGAPC2 Name: GAPC (ED2,ED1) 166
5.1.122 3.2.122 LN: SPCRGAPC1 Name: GAPC (ED2,ED1) 167
5.1.123 3.2.123 LN: SPCLGAPC1 Name: GAPC (ED2,ED1) 168
5.1.124 3.2.124 LN: UDFCNT1 Name: FCNT (ED2,ED1) 169
5.1.125 3.2.125 LN: UDFCNT2 Name: FCNT (ED2,ED1) 170

5.1.126 3.2.126 LN: UDFCNT3 Name: FCNT (ED2,ED1) 170
5.1.127 3.2.127 LN: SCA4GAPC1 Name: GAPC (ED2,ED1)..... 171
5.1.128 3.2.128 LN: SCA4GAPC2 Name: GAPC (ED2,ED1)..... 172
5.1.129 3.2.129 LN: SCA4GAPC3 Name: GAPC (ED2,ED1)..... 173
5.1.130 3.2.130 LN: SCA4GAPC4 Name: GAPC (ED2,ED1)..... 175
5.1.131 3.2.131 LN: SCA4GAPC5 Name: GAPC (ED2,ED1)..... 176
5.1.132 3.2.132 LN: SCA4GAPC6 Name: GAPC (ED2,ED1)..... 177
5.1.133 3.2.133 LN: SCA4GAPC7 Name: GAPC (ED2,ED1)..... 178
5.1.134 3.2.134 LN: SCA4GAPC8 Name: GAPC (ED2,ED1)..... 179
5.1.135 3.2.135 LN: SCA4GAPC9 Name: GAPC (ED2,ED1)..... 180
5.1.136 3.2.136 LN: SCA4GAPC10 Name: GAPC (ED2,ED1)..... 182
5.1.137 3.2.137 LN: SCA4GAPC11 Name: GAPC (ED2,ED1)..... 183
5.1.138 3.2.138 LN: SCA4GAPC12 Name: GAPC (ED2,ED1)..... 184
5.1.139 3.2.139 LN: MVI4GAPC1 Name: GAPC (ED2,ED1)..... 185
5.1.140 3.2.140 LN: MVI4GAPC2 Name: GAPC (ED2,ED1)..... 186
5.1.141 3.2.141 LN: FLTRFRC1 Name: RFRC (ED2,ED1)..... 187
5.1.142 3.2.142 LN: FKEY4GGIO1 Name: GGIO (ED2,ED1) 195
5.1.143 3.2.143 LN: DPSRDIR1 Name: RDIR (ED2,ED1) 196
5.1.144 3.2.144 LN: DTMGAPC1 Name: GAPC (ED2,ED1)..... 197
5.1.145 3.2.145 LN: DTMGAPC2 Name: GAPC (ED2,ED1)..... 202
5.1.146 3.2.146 LN: PHIPTOC2 Name: PTOC (ED2,ED1) 206
5.1.147 3.2.147 LN: MFADPSDE2 Name: PSDE (ED2,ED1)..... 207
5.1.148 3.2.148 LN: MFADRDIR2 Name: RDIR (ED2,ED1)..... 209
5.1.149 3.2.149 LN: ROVPTOV2 Name: PTOV (ED2,ED1)..... 210
5.1.150 3.2.150 LN: PHPTUV2 Name: PTUV (ED2,ED1)..... 210
5.1.151 3.2.151 LN: PHPTOV2 Name: PTOV (ED2,ED1) 212
5.1.152 3.2.152 LN: FRPTRC2 Name: PTRC (ED2,ED1) 214
5.1.153 3.2.153 LN: FRPTOF2 Name: PTOF (ED2,ED1)..... 214
5.1.154 3.2.154 LN: FRPTUF2 Name: PTUF (ED2,ED1) 215
5.1.155 3.2.155 LN: FRPFRC2 Name: PFRC (ED2,ED1) 215
5.1.156 3.2.156 LN: CCBRBRF2 Name: RBRF (ED2,ED1)..... 216
5.1.157 3.2.157 LN: LSHDPTRC2 Name: PTRC (ED2,ED1) 218
5.1.158 3.2.158 LN: LSHDPTUF2 Name: PTUF (ED2,ED1) 219
5.1.159 3.2.159 LN: LSHDPFRC2 Name: PFRC (ED2,ED1) 219

5.1.160 3.2.160 LN: LSHDPTOF2 Name: PTOF (ED2,ED1) 219
5.1.161 3.2.161 LN: SSCBR2 Name: SCBR (ED2,ED1) 220
5.1.162 3.2.162 LN: SPH1SCBR2 Name: SCBR (ED2,ED1) 226
5.1.163 3.2.163 LN: SPH2SCBR2 Name: SCBR (ED2,ED1) 226
5.1.164 3.2.164 LN: SPH3SCBR2 Name: SCBR (ED2,ED1) 227
5.1.165 3.2.165 LN: SSIMG2 Name: SIMG (ED2,ED1)..... 227
5.1.166 3.2.166 LN: SSOPM2 Name: SOPM (ED2,ED1)..... 228
5.1.167 3.2.167 LN: SEQSPVC2 Name: SPVC (ED2,ED1) 229
5.1.168 3.2.168 LN: DARREC2 Name: RREC (ED2,ED1)..... 230
5.1.169 3.2.169 LN: CMMXU2 Name: MMXU (ED2,ED1)..... 242
5.1.170 3.2.170 LN: CAVMMXU2 Name: MMXU (ED2,ED1) 243
5.1.171 3.2.171 LN: CMAMMXU2 Name: MMXU (ED2,ED1) 243
5.1.172 3.2.172 LN: CMIMMXU2 Name: MMXU (ED2,ED1)..... 244
5.1.173 3.2.173 LN: CSMSQI2 Name: MSQI (ED2,ED1)..... 244
5.1.174 3.2.174 LN: PEMMXU2 Name: MMXU (ED2,ED1) 244
5.1.175 3.2.175 LN: PEMMTR2 Name: MMTR (ED2,ED1) 245
5.1.176 3.2.176 LN: PEAVMMXU2 Name: MMXU (ED2,ED1) 246
5.1.177 3.2.177 LN: PEMAMMXU2 Name: MMXU (ED2,ED1) 247
5.1.178 3.2.178 LN: PEMIMMXU2 Name: MMXU (ED2,ED1)..... 247
5.1.179 3.2.179 LN: SPEMMXU2 Name: MMXU (ED2,ED1) 248
5.1.180 3.2.180 LN: SPE1MMTR2 Name: MMTR (ED2,ED1) 248
5.1.181 3.2.181 LN: SPE2MMTR2 Name: MMTR (ED2,ED1) 249
5.1.182 3.2.182 LN: SPE3MMTR2 Name: MMTR (ED2,ED1) 250
5.1.183 3.2.183 LN: SPEAVMMXU2 Name: MMXU (ED2,ED1) 251
5.1.184 3.2.184 LN: SPEMAMMXU2 Name: MMXU (ED2,ED1) 252
5.1.185 3.2.185 LN: SPEMIMMXU2 Name: MMXU (ED2,ED1)..... 252
5.1.186 3.2.186 LN: DPHLPTOC3 Name: PTOC (ED2,ED1)..... 253
5.1.187 3.2.187 LN: DPHLRDIR3 Name: RDIR (ED2,ED1)..... 254
5.1.188 3.2.188 LN: DPHLPTOC4 Name: PTOC (ED2,ED1)..... 256
5.1.189 3.2.189 LN: DPHLRDIR4 Name: RDIR (ED2,ED1)..... 257
5.1.190 3.2.190 LN: DPHHPTOC3 Name: PTOC (ED2,ED1)..... 258
5.1.191 3.2.191 LN: DPHHRDIR3 Name: RDIR (ED2,ED1)..... 260
5.1.192 3.2.192 LN: DPHHPTOC4 Name: PTOC (ED2,ED1)..... 261
5.1.193 3.2.193 LN: DPHHRDIR4 Name: RDIR (ED2,ED1)..... 263

5.1.194 3.2.194 LN: DEFLPTOC3 Name: PTOC (ED2,ED1) 264
5.1.195 3.2.195 LN: DEFLRDIR3 Name: RDIR (ED2,ED1) 266
5.1.196 3.2.196 LN: DEFLPTOC4 Name: PTOC (ED2,ED1) 267
5.1.197 3.2.197 LN: DEFLRDIR4 Name: RDIR (ED2,ED1) 269
5.1.198 3.2.198 LN: DEFHPTOC3 Name: PTOC (ED2,ED1) 271
5.1.199 3.2.199 LN: DEFHRDIR3 Name: RDIR (ED2,ED1) 272
5.1.200 3.2.200 LN: DEFHPTOC4 Name: PTOC (ED2,ED1) 274
5.1.201 3.2.201 LN: DEFHRDIR4 Name: RDIR (ED2,ED1) 275
5.1.202 3.2.202 LN: PHPTUC1 Name: PTUC (ED2,ED1) 277
5.1.203 3.2.203 LN: PHPTUC2 Name: PTUC (ED2,ED1) 278
5.1.204 3.2.204 LN: DPSRDIR2 Name: RDIR (ED2,ED1) 279
5.1.205 3.2.205 LN: FDPHLPTOC1 Name: PTOC (ED2,ED1) 280
5.1.206 3.2.206 LN: FDPHLRDIR1 Name: RDIR (ED2,ED1) 282
5.1.207 3.2.207 LN: FDPHLPTOC2 Name: PTOC (ED2,ED1) 283
5.1.208 3.2.208 LN: FDPHLRDIR2 Name: RDIR (ED2,ED1) 285
5.1.209 3.2.209 LN: FDEFLPTOC1 Name: PTOC (ED2,ED1) 286
5.1.210 3.2.210 LN: FDEFLRDIR1 Name: RDIR (ED2,ED1) 287
5.1.211 3.2.211 LN: FDEFLPTOC2 Name: PTOC (ED2,ED1) 289
5.1.212 3.2.212 LN: FDEFLRDIR2 Name: RDIR (ED2,ED1) 291
5.1.213 3.2.213 LN: INTRPTEF1 Name: PTEF (ED2,ED1) 292
5.1.214 3.2.214 LN: EFPADM1 Name: PADM (ED2,ED1) 294
5.1.215 3.2.215 LN: EFPADM2 Name: PADM (ED2,ED1) 296
5.1.216 3.2.216 LN: EFPADM3 Name: PADM (ED2,ED1) 298
5.1.217 3.2.217 LN: WPSDE1 Name: PSDE (ED2,ED1) 301
5.1.218 3.2.218 LN: WRDIR1 Name: RDIR (ED2,ED1) 302
5.1.219 3.2.219 LN: WMMXU1 Name: MMXU (ED2,ED1) 303
5.1.220 3.2.220 LN: WPSDE2 Name: PSDE (ED2,ED1) 303
5.1.221 3.2.221 LN: WRDIR2 Name: RDIR (ED2,ED1) 304
5.1.222 3.2.222 LN: WMMXU2 Name: MMXU (ED2,ED1) 306
5.1.223 3.2.223 LN: WPSDE3 Name: PSDE (ED2,ED1) 306
5.1.224 3.2.224 LN: WRDIR3 Name: RDIR (ED2,ED1) 307
5.1.225 3.2.225 LN: WMMXU3 Name: MMXU (ED2,ED1) 308
5.1.226 3.2.226 LN: HAEFPTOC1 Name: PTOC (ED2,ED1) 308
5.1.227 3.2.227 LN: HAEFMHAI1 Name: MHAI (ED2,ED1) 310

5.1.228 3.2.228 LN: PHLPTOC1 Name: PTOC (ED2,ED1) 310
5.1.229 3.2.229 LN: FPHLPTOC1 Name: PTOC (ED2,ED1)..... 311
5.1.230 3.2.230 LN: PHHPTOC1 Name: PTOC (ED2,ED1)..... 313
5.1.231 3.2.231 LN: EFLPTOC1 Name: PTOC (ED2,ED1) 314
5.1.232 3.2.232 LN: EFHPTOC1 Name: PTOC (ED2,ED1)..... 315
5.1.233 3.2.233 LN: FEFLPTOC1 Name: PTOC (ED2,ED1)..... 316
5.1.234 3.2.234 LN: PHPTUV3 Name: PTUV (ED2,ED1)..... 318
5.1.235 3.2.235 LN: PHPTOV3 Name: PTOV (ED2,ED1) 319
5.1.236 3.2.236 LN: NSPTOV1 Name: PTOV (ED2,ED1) 321
5.1.237 3.2.237 LN: PSPTUV1 Name: PTUV (ED2,ED1) 322
5.1.238 3.2.238 LN: CMHAI1 Name: MHAI (ED2,ED1) 322
5.1.239 3.2.239 LN: VMHAI1 Name: MHAI (ED2,ED1) 324
5.1.240 3.2.240 LN: PH1QVVR1 Name: QVVR (ED2,ED1) 325
5.1.241 3.2.241 LN: PH2QVVR1 Name: QVVR (ED2,ED1) 330
5.1.242 3.2.242 LN: PH3QVVR1 Name: QVVR (ED2,ED1) 330
5.1.243 3.2.243 LN: QVV1RQRC1 Name: RQRC (ED2,ED1)..... 331
5.1.244 3.2.244 LN: QVV2RQRC1 Name: RQRC (ED2,ED1)..... 332
5.1.245 3.2.245 LN: QVV3RQRC1 Name: RQRC (ED2,ED1)..... 334
5.1.246 3.2.246 LN: VSQVUB1 Name: QVUB (ED2,ED1) 335
5.1.247 3.2.247 LN: QVU1RQRC1 Name: RQRC (ED2,ED1) 338
5.1.248 3.2.248 LN: QVU2RQRC1 Name: RQRC (ED2,ED1) 339
5.1.249 3.2.249 LN: QVU3RQRC1 Name: RQRC (ED2,ED1) 339
5.1.250 3.2.250 LN: IL1TCTR1 Name: TCTR (ED2,ED1)..... 340
5.1.251 3.2.251 LN: RESTCTR1 Name: TCTR (ED2,ED1) 341
5.1.252 3.2.252 LN: XGGIO120 Name: GGIO (ED2,ED1) 342
5.1.253 3.2.253 LN: UL1TVTR1 Name: TVTR (ED2,ED1) 343
5.1.254 3.2.254 LN: XSGGIO130 Name: GGIO (ED2,ED1) 344
5.1.255 3.2.255 LN: UL1TVTR2 Name: TVTR (ED2,ED1) 345
5.1.256 3.2.256 LN: VSMSQI1 Name: MSQI (ED2,ED1)..... 346
5.1.257 3.2.257 LN: RESTVTR1 Name: TVTR (ED2,ED1) 346
5.1.258 3.2.258 LN: RESVMMXU1 Name: MMXU (ED2,ED1)..... 347
5.1.259 3.2.259 LN: RVAVMMXU1 Name: MMXU (ED2,ED1)..... 348
5.1.260 3.2.260 LN: RVMAMMXU1 Name: MMXU (ED2,ED1)..... 348
5.1.261 3.2.261 LN: RVMIMMXU1 Name: MMXU (ED2,ED1) 349

5.1.262 3.2.262 LN: XAGGIO130 Name: GGIO (ED2,ED1) 349
5.1.263 3.2.263 LN: XARGGIO130 Name: GGIO (ED2,ED1) 351
5.1.264 3.2.264 LN: IL1TCTR2 Name: TCTR (ED2,ED1)..... 352
5.1.265 3.2.265 LN: XAGGIO120 Name: GGIO (ED2,ED1)..... 353
5.1.266 3.2.266 LN: XGGIO110 Name: GGIO (ED2,ED1) 354
5.1.267 3.2.267 LN: XGGIO130 Name: GGIO (ED2,ED1) 356
5.1.268 3.2.268 LN: XGGIO90 Name: GGIO (ED2,ED1) 358
5.1.269 3.2.269 LN: SERLCCH1 Name: LCCH (ED2,ED1) 359
5.1.270 3.2.270 LN: SERLCCH2 Name: LCCH (ED2,ED1) 361
5.1.271 3.2.271 LN: RCHLCCH1 Name: LCCH (ED2,ED1) 363
5.1.272 3.2.272 LN: SCHLCCH1 Name: LCCH (ED2,ED1) 363
5.1.273 3.2.273 LN: SCHLCCH2 Name: LCCH (ED2,ED1) 364
5.1.274 3.2.274 LN: SCHLCCH3 Name: LCCH (ED2,ED1) 364
5.1.275 3.2.275 LN: MBSLPRT1 Name: LPRT (ED2,ED1)..... 365
5.1.276 3.2.276 LN: MBSLPRT2 Name: LPRT (ED2,ED1)..... 369
5.1.277 3.2.277 LN: MBSLPRT3 Name: LPRT (ED2,ED1)..... 372
5.1.278 3.2.278 LN: MBSLPRT4 Name: LPRT (ED2,ED1)..... 376
5.1.279 3.2.279 LN: MBSLPRT5 Name: LPRT (ED2,ED1)..... 380
5.1.280 3.2.280 LN: DNPLPRT1 Name: LPRT (ED2,ED1)..... 384
5.1.281 3.2.281 LN: DNPLPRT2 Name: LPRT (ED2,ED1)..... 388
5.1.282 3.2.282 LN: DNPLPRT3 Name: LPRT (ED2,ED1)..... 393
5.1.283 3.2.283 LN: DNPLPRT4 Name: LPRT (ED2,ED1)..... 397
5.1.284 3.2.284 LN: DNPLPRT5 Name: LPRT (ED2,ED1)..... 401
5.1.285 3.2.285 LN: I5CLPRT1 Name: LPRT (ED2,ED1)..... 406
5.1.286 3.2.286 LN: I5CLPRT2 Name: LPRT (ED2,ED1)..... 410
5.1.287 3.2.287 LN: LDPRLRC1 Name: RLRC (ED2,ED1)..... 414
5.1.288 3.2.288 LN: LLN0 Name: LLN0 (ED2,ED1)..... 416
5.1.289 3.2.289 LN: LPHD1 Name: LPHD (ED2,ED1) 417
5.1.290 3.2.290 LN: CBCILO1 Name: CILO (ED2,ED1) 417
5.1.291 3.2.291 LN: CBCSWI1 Name: CSWI (ED2,ED1) 417
5.1.292 3.2.292 LN: CBXCBR1 Name: XCBR (ED2,ED1) 419
5.1.293 3.2.293 LN: DCCILO1 Name: CILO (ED2,ED1)..... 419
5.1.294 3.2.294 LN: DCCSWI1 Name: CSWI (ED2,ED1)..... 420
5.1.295 3.2.295 LN: DCXSWI1 Name: XSWI (ED2,ED1)..... 421

5.1.296 3.2.296 LN: DCCILO2 Name: CILO (ED2,ED1) 421
5.1.297 3.2.297 LN: DCCSWI2 Name: CSWI (ED2,ED1) 422
5.1.298 3.2.298 LN: DCXSWI2 Name: XSWI (ED2,ED1) 423
5.1.299 3.2.299 LN: DCCILO3 Name: CILO (ED2,ED1) 423
5.1.300 3.2.300 LN: DCCSWI3 Name: CSWI (ED2,ED1) 424
5.1.301 3.2.301 LN: DCXSWI3 Name: XSWI (ED2,ED1) 425
5.1.302 3.2.302 LN: DCCILO4 Name: CILO (ED2,ED1) 425
5.1.303 3.2.303 LN: DCCSWI4 Name: CSWI (ED2,ED1) 426
5.1.304 3.2.304 LN: DCXSWI4 Name: XSWI (ED2,ED1) 427
5.1.305 3.2.305 LN: DCSXSWI1 Name: XSWI (ED2,ED1) 427
5.1.306 3.2.306 LN: DCSCSWI1 Name: CSWI (ED2,ED1) 428
5.1.307 3.2.307 LN: ESSXSWI1 Name: XSWI (ED2,ED1) 428
5.1.308 3.2.308 LN: ESSCSWI1 Name: CSWI (ED2,ED1) 429
5.1.309 3.2.309 LN: ESSXSWI2 Name: XSWI (ED2,ED1) 429
5.1.310 3.2.310 LN: ESSCSWI2 Name: CSWI (ED2,ED1) 430
5.1.311 3.2.311 LN: ESSXSWI3 Name: XSWI (ED2,ED1) 430
5.1.312 3.2.312 LN: ESSCSWI3 Name: CSWI (ED2,ED1) 431
5.1.313 3.2.313 LN: ESSXSWI4 Name: XSWI (ED2,ED1) 431
5.1.314 3.2.314 LN: ESSCSWI4 Name: CSWI (ED2,ED1) 432
5.1.315 3.2.315 LN: CBCILO2 Name: CILO (ED2,ED1) 432
5.1.316 3.2.316 LN: CBCSWI2 Name: CSWI (ED2,ED1) 433
5.1.317 3.2.317 LN: CBXCBR2 Name: XCBR (ED2,ED1) 434
5.1.318 3.2.318 LN: DCCILO5 Name: CILO (ED2,ED1) 434
5.1.319 3.2.319 LN: DCCSWI5 Name: CSWI (ED2,ED1) 435
5.1.320 3.2.320 LN: DCXSWI5 Name: XSWI (ED2,ED1) 436
5.1.321 3.2.321 LN: DCCILO6 Name: CILO (ED2,ED1) 436
5.1.322 3.2.322 LN: DCCSWI6 Name: CSWI (ED2,ED1) 437
5.1.323 3.2.323 LN: DCXSWI6 Name: XSWI (ED2,ED1) 438
5.1.324 3.2.324 LN: DCCILO7 Name: CILO (ED2,ED1) 438
5.1.325 3.2.325 LN: DCCSWI7 Name: CSWI (ED2,ED1) 439
5.1.326 3.2.326 LN: DCXSWI7 Name: XSWI (ED2,ED1) 440
5.1.327 3.2.327 LN: DCCILO8 Name: CILO (ED2,ED1) 440
5.1.328 3.2.328 LN: DCCSWI8 Name: CSWI (ED2,ED1) 441
5.1.329 3.2.329 LN: DCXSWI8 Name: XSWI (ED2,ED1) 442

5.1.330 3.2.330 LN: DCSXSWI2 Name: XSWI (ED2,ED1) 442
5.1.331 3.2.331 LN: DCSCSWI2 Name: CSWI (ED2,ED1) 443
5.1.332 3.2.332 LN: ESSXSWI5 Name: XSWI (ED2,ED1) 444
5.1.333 3.2.333 LN: ESSCSWI5 Name: CSWI (ED2,ED1) 444
5.1.334 3.2.334 LN: ESSXSWI6 Name: XSWI (ED2,ED1) 445
5.1.335 3.2.335 LN: ESSCSWI6 Name: CSWI (ED2,ED1) 445
5.1.336 3.2.336 LN: ESSXSWI7 Name: XSWI (ED2,ED1) 446
5.1.337 3.2.337 LN: ESSCSWI7 Name: CSWI (ED2,ED1) 446
5.1.338 3.2.338 LN: ESSXSWI8 Name: XSWI (ED2,ED1) 447
5.1.339 3.2.339 LN: ESSCSWI8 Name: CSWI (ED2,ED1) 447
5.1.340 3.2.340 LN: LLN0 Name: LLN0 (ED2,ED1) 448
5.1.341 3.2.341 LN: LPHD1 Name: LPHD (ED2,ED1) 448
5.1.342 3.2.342 LN: RDRE1 Name: RDRE (ED2,ED1) 448
5.1.343 3.2.343 LN: RBDR1 Name: RBDR (ED2,ED1) 450
5.1.344 3.2.344 LN: RADR1 Name: RADR (ED2,ED1) 451

6 4. Common Data Class Extensions 452

6.1 4.1 New common data classes 452

6.2 4.2 Extented data classes ED1 452

6.2.1 4.2.1 ABBIED600_Rev5_ENG_SP_DNPPort_ED2 452
6.2.2 4.2.2 ABBIED600_Rev3_SPG_SP_authority_ED2 452
6.2.3 4.2.3 ABBIED600_Rev4_SPS_LocClk_ED2 452
6.2.4 4.2.4 ABBIED600_Rev4_ING_SG_Unit 453
6.2.5 4.2.5 ABBIED600_Rev4_ING_SP_Unit 453
6.2.6 4.2.6 ABBIED600_Rev3_ENG_SP_CommPort_ED2 454
6.2.7 4.2.7 ABBIED600_Rev5_ENG_SP_I5CPort_ED2 454
6.2.8 4.2.8 ABBIED600_Rev5_ENC_mod_control_ED2 454
6.2.9 4.2.9 ABBIED600_Rev5_ENC_Mod_OnTestblockedOff_FD_ED2 ... 454
6.2.10 4.2.10 ABBIED600_Rev5_ENC_Mod_OnTestOff__ED2 455
6.2.11 4.2.11 ABBIED600_Rev5_ENC_Mod_OnTest_ED2 455
6.2.12 4.2.12 ABBIED600_Rev5_ENC_Mod_OnOff_FD_ED2 456
6.2.13 4.2.13 ABBIED600_Rev5_ENC_Mod_OnOff_ED2 456
6.2.14 4.2.14 ABBIED600_Rev4_ENC_Mod_On_Blk_ED2 457
6.2.15 4.2.15 ABBIED600_Rev11_ENS_error 457

6.2.16 4.2.16 ABBIED600_Rev11_ENS_error 458
6.2.17 4.2.17 ABBIED600_Rev3_INS_Unit 458
6.2.18 4.2.18 ABB_REX615_IINS_Auth_Pwd_1 458
6.2.19 4.2.19 ABB_REX615_IINS_Auth_Usr_1 458
6.2.20 4.2.20 ABBIED600_Rev8_LPL_LD0_LNN0_ED2 459
6.2.21 4.2.21 ABBIED600_Rev3_LPL_mms 459
6.2.22 4.2.22 ABBIED600_Rev7_LPL_MBS_ED2 460
6.2.23 4.2.23 ABBIED600_Rev5_LPL_tms_ED2 460
6.2.24 4.2.24 ABBIED600_Rev5_LPL_LD0_LINF_ED2 460
6.2.25 4.2.25 ABBIED600_Rev6_LPL_LD0_LTIM 461
6.2.26 4.2.26 ABBIED600_Rev2_LPL_LD0_LDEV_ED2 462
6.2.27 4.2.27 ABBIED600_Rev3_LPL_1tsg_setCal 463
6.2.28 4.2.28 ABBIED600_Rev6_DPL_ied 464
6.2.29 4.2.29 ABBIED600_Rev8_DPL_eeprom_2_ED2 464
6.2.30 4.2.30 ABBIED600_Rev5_DPL_eeprom_1_ED2 464
6.2.31 4.2.31 ABBIED600_Rev4_DPC_simple 465
6.2.32 4.2.32 ABBIED600_Rev8_DPC_control 465
6.2.33 4.2.33 ABBIED600_Rev1_LPL_RSS 467
6.2.34 4.2.34 ABBIED600_Rev1_TSG_SP_setCal_2 467

7 5. Enum type extensions 468

7.1 5.1 New Enum types 468
7.1.1 5.1.1 ABBIED600_Rev1_OpModSC 468
7.1.2 5.1.2 ABBIED600_Rev2_OpModCtrl 468
7.1.3 5.1.3 ABBIED600_Rev1_EnergSt 468
7.1.4 5.1.4 ABBIED600_Rev5_TestCtlKind 468
7.1.5 5.1.5 ABBIED600_Rev1_CtlModelKind_StatusDirect 471
7.1.6 5.1.6 ABBIED600_Rev2_MeasMod 472
7.1.7 5.1.7 ABBIED600_Rev2_StrPhSel 472
7.1.8 5.1.8 ABBIED600_Rev1_DefHzSel 472
7.1.9 5.1.9 ABBIED600_Rev1_OpModSG 472
7.1.10 5.1.10 ABBIED600_Rev1_CpySG 472
7.1.11 5.1.11 ABBIED600_Rev1_CtlModelKind_Status 473
7.1.12 5.1.12 ABBIED600_Rev1_SetSvMaxDl 473
7.1.13 5.1.13 ABBIED600_Rev1_BlkMod 473

7.1.14 5.1.14 ABBIED600_Rev1_HzSet 473
7.1.15 5.1.15 ABBIED600_Rev1_PhRotSet 474
7.1.16 5.1.16 ABBIED600_Rev1_PhOrdSet 474
7.1.17 5.1.17 ABBIED600_Rev1_DmdAvMod 474
7.1.18 5.1.18 ABBIED600_Rev1_dmdItrv 474
7.1.19 5.1.19 ABBIED600_Rev1_ModRemCtl 474
7.1.20 5.1.20 ABBIED600_Rev4_Languages 475
7.1.21 5.1.21 ABBIED600_Rev4_LanguageFiles 476
7.1.22 5.1.22 ABBIED600_Rev1_FormatTime 477
7.1.23 5.1.23 ABBIED600_Rev1_FormatDate 477
7.1.24 5.1.24 ABBIED600_Rev1_NamingConvention 478
7.1.25 5.1.25 ABBIED600_Rev3_DefaultView 478
7.1.26 5.1.26 ABBIED600_Rev2_WhmiMod 478
7.1.27 5.1.27 ABBIED600_Rev1_SLDSymbolFormat 478
7.1.28 5.1.28 ABBIED600_Rev1_InUseMod 478
7.1.29 5.1.29 ABBIED600_Rev1_SetVsb 479
7.1.30 5.1.30 ABBIED600_Rev8_AuthAcs 479
7.1.31 5.1.31 ABBIED600_Rev1_AuthAcsLev 480
7.1.32 5.1.32 ABBIED600_Rev1_AlmLedSt 480
7.1.33 5.1.33 ABBIED600_Rev2_LedMode 480
7.1.34 5.1.34 ABBIED600_Rev2_LedColor 480
7.1.35 5.1.35 ABBIED600_Rev5_SyncSrc 481
7.1.36 5.1.36 ABBIED600_Rev3_TmSrc 481
7.1.37 5.1.37 ABBIED600_Rev1_PTPTmSrc 482
7.1.38 5.1.38 ABBIED600_Rev1_PTPClkAcc 482
7.1.39 5.1.39 ABBIED600_Rev1_PTPAnncMod 483
7.1.40 5.1.40 ABBIED600_Rev2_TestProKind 483
7.1.41 5.1.41 ABBIED600_Rev1_AResSigSel 487
7.1.42 5.1.42 ABBIED600_Rev1_OpModEF 487
7.1.43 5.1.43 ABBIED600_Rev1_VResSigSel 487
7.1.44 5.1.44 ABBIED600_Rev2_OpModTEF 488
7.1.45 5.1.45 ABBIED600_Rev1_OpQtySel 488
7.1.46 5.1.46 ABBIED600_Rev2_VSel 488
7.1.47 5.1.47 ABBIED600_Rev1_TypTmRs 488

7.1.48 5.1.48 ABBIED600_Rev1_OpModProHz 488
7.1.49 5.1.49 ABBIED600_Rev1_buTripMode 489
7.1.50 5.1.50 ABBIED600_Rev1_StrLtcMod 489
7.1.51 5.1.51 ABBIED600_Rev1_TrOutMod 489
7.1.52 5.1.52 ABBIED600_Rev1_OpModComp 489
7.1.53 5.1.53 ABBIED600_Rev1_AutoManMod 489
7.1.54 5.1.54 ABBIED600_Rev1_EFAlg 490
7.1.55 5.1.55 ABBIED600_Rev1_EFAlgASel 490
7.1.56 5.1.56 ABBIED600_Rev6_TestProRlKind 490
7.1.57 5.1.57 ABBIED600_Rev1_PhVMeas 492
7.1.58 5.1.58 ABBIED600_Rev1_RecOp 492
7.1.59 5.1.59 ABBIED600_Rev1_TermPrio 492
7.1.60 5.1.60 ABBIED600_Rev1_ProCrdMod 492
7.1.61 5.1.61 ABBIED600_Rev1_AutoIniCnd 493
7.1.62 5.1.62 ABBIED600_Rev1_BusPrio 493
7.1.63 5.1.63 ABBIED600_Rev3_TestSpvnKind 493
7.1.64 5.1.64 ABBIED600_Rev1_TrvClcMod 495
7.1.65 5.1.65 ABBIED600_Rev1_DirMod2 495
7.1.66 5.1.66 ABBIED600_Rev1_PwrMeasMod 496
7.1.67 5.1.67 ABBIED600_Rev1_TestOthKind 496
7.1.68 5.1.68 ABBIED600_Rev1_OpModPh 497
7.1.69 5.1.69 ABBIED600_Rev1_DmdWinMod 497
7.1.70 5.1.70 ABBIED600_Rev2_PhSv 497
7.1.71 5.1.71 ABBIED600_Rev2_VVaTyp 497
7.1.72 5.1.72 ABBIED600_Rev1_TrgModPQ 498
7.1.73 5.1.73 ABBIED600_Rev1_ObsPerSel 498
7.1.74 5.1.74 ABBIED600_Rev1_ARtgSec 498
7.1.75 5.1.75 ABBIED600_Rev2_ConnType 498
7.1.76 5.1.76 ABBIED600_Rev1_AnInpType 498
7.1.77 5.1.77 ABBIED600_Rev1_SenInMod 499
7.1.78 5.1.78 ABBIED600_Rev1_FibMod 499
7.1.79 5.1.79 ABBIED600_Rev1_SerMod 499
7.1.80 5.1.80 ABBIED600_Rev1_BaudRate 499
7.1.81 5.1.81 ABBIED600_Rev2_EthPortMod 500

7.1.82 5.1.82 ABBIED600_Rev3_CmdRsp 500
7.1.83 5.1.83 ABBIED600_Rev3_LocKeyHMI 501
7.1.84 5.1.84 ABBIED600_Rev1_LocRemMod 501
7.1.85 5.1.85 ABBIED600_Rev1_StaLevSet 501
7.1.86 5.1.86 ABBIED600_Rev1_EStoRte 502
7.1.87 5.1.87 ABBIED600_Rev1_EStoMod 502
7.1.88 5.1.88 ABBIED600_Rev4_RadrChNum 502
7.2 5.2 Extented Enum types 504
7.2.1 5.2.1 ABBIED600_Rev1_HealthKind 504
7.2.2 5.2.2 ABBIED600_Rev1_LiveDeadModeKind 504
7.2.3 5.2.3 ABBIED600_Rev1_PhaseFaultDirectionKind 505
7.2.4 5.2.4 ABBIED600_Rev20_TstOutKind 505
7.2.5 5.2.5 ABBIED600_Rev1_CurveCharKind 513
7.2.6 5.2.6 ABBIED600_Rev1_PolarizingQuantityKind 516
7.2.7 5.2.7 ABBIED600_Rev2_FaultLoopKind 517
7.2.8 5.2.8 ABBIED600_Rev2_AutoReclosingKind 517
7.2.9 5.2.9 ABBIED600_Rev2_cmdQual 518
7.2.10 5.2.10 ABBIED600_RECRER61520_Rev34_ProFcn 518

1 About this manual

1.1 Read it first!

Before attempting any operation with IED from 615 GA series, read carefully the IED documentation first.

This document is addressed to anyone who needs to interact with 615 GA series and its IEC 61850 features in more detail.

1.2 Document information

Revision History

Revision	Date	Note
A	1 July 2013	615 GA series v1.0
B	6 March 2015	615 GA series v1.1
C	16 July 2018	615 GA series v2.0

Applicability

This manual is applicable to 615 GA series Protection and Control IED versions mentioned in document Revision History above or newer versions if document update is not required.

1.3 Safety Information

There are safety warnings and notes in the following text. They are in a different format to distinguish them from normal text.

Safety warning

The safety warnings should always be observed. Non-observance can result in death, personal injury or substantial damages to property. Guarantee claims might not be accepted when safety warnings are not respected. They look like below:

ABB

ABB Oy Medium Voltage Products,
Distribution Automation
P.O. Box 699
FI-65101 Vaasa
FINLAND
Tel. +358 10 22 11
Fax. +358 10 224 1094
www.abb.com/substationautomation

Do not make any changes to the 615 GA series configurations unless you are familiar with the 615 GA series and its configuration tool. This might result in disoperation and loss of warranty.

Note

A note contains additional information worth noting in the specific context, and looks like below:

The selection of this control mode requires caution, because operations are allowed both from the HMI and remotely.

2 Abbreviations and Definitions

2.1 Abbreviations

FTP	**F**ile **T**ransfer **P**rotocol
GOOSE	**G**eneric **O**bject **O**riented **S**ubstation **E**vent
GPS	**G**lobal **P**ositioning **S**ystem
GSE	**G**eneric **S**ubstation **E**vent
GSSE	**G**eneric **S**ubstation **S**tatus **E**vent
HMI	**H**uman **M**achine **I**nterface
IED	**I**ntelligent **E**lectronic **D**evice
LED	**L**ight **E**mitting **D**iode
MAC	**M**edia **A**ccess **C**ontrol
MICS	**M**odel **I**mplementation **C**onformance **S**tatement
MMS	**M**anufacturing **M**essage **S**pecification
M/O	**M**andatory/**O**ptional
N	**N**o
PICS	**P**rotocol **I**mplementation **C**onformance **S**tatement
PIXIT	**P**rotocol **I**mplementation e**X**tra **I**nformation for **T**esting
SCADA	**S**upervision, **C**ontrol **a**nd **D**ata **A**cquisition
SLD	**S**ingle **L**ine **D**iagram
XML	e**X**tensible **M**arkup **L**anguage
Y	**Y**es

2.2 Definitions

Operational State	the unit is active and it is protecting and controlling the switchgear.
Stand-alone	the unit is not connected to a SCADA system.

3 References

Ref	Document id	Rev	Document title
[1]	61850-8-1 First edition 2004-05		Communication networks and systems in substations Part 8-1: Specific communication service mapping (SCSM) – Map-pings to MMS (ISO/IEC 9506 Part 1 and Part 2) and to ISO/IEC 8802-3
[2]	61850-10 First edition 2005-05		Communication networks and systems in substations – Part 10: Conformance testing
[3]	IEC61850-7-2 First edition 2003-05		Communication networks and systems in substations – Part 7-2: Basic communication structure for substation and feeder equipment – Abstract communication service interface (ACSI)
[4]	IEC61850-6 First edition 2004-03		Communication networks and systems in substations - Part 6: Configuration description language for communi-cation in electrical substations related to IEDs
[5]	IEC61850-7-3 First edition 2003-05		Communication networks and systems in substations – Part 7-3: Basic communication structure for substation and feeder equipment – Common data classes
[6]	IEC61850-7-4 First Edition 2003-05		Communication networks and systems in substations – Part 7-4:

4 Introduction

This document specifies the model implementation conformance statement (MICS) of the IEC 61850 communication for 615 GA Series,Edition 1.

Together with the PICS and the PIXIT the MICS forms the basis for a conformance test according to IEC 61850-10.

In this document all Logical Nodes with additional Data Objects are listed with intended use for extensions. In these cases dataNs refers to this document. Also Data Objects with different namespace as standard CDC describes are listed. In these cases cdcNs data attribute refers to this document. Extended data classes' new Data Attributes are introduced.

5 615 GA SERIES Model Implementation

5.1.1 LN: SECRSYN1 Name: RSYN (ED2,ED1)

Related LN(s): LD0.SECRSYN1.LN type: SECRSYN1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Rel	ABBIED600_Rev1_SPS	Release		
VInd	ABBIED600_Rev1_SPS	Voltage Difference Indicator		
AngInd	ABBIED600_Rev1_SPS	Angle Difference Indicator		
HzInd	ABBIED600_Rev1_SPS	Frequency difference Indicator		
SynPrg	ABBIED600_Rev1_SPC_simple	Synchronising in progress		
DifVClc	ABBIED600_Rev3_MV_simple_i	Calculated Difference in Voltage		
DifHzClc	ABBIED600_Rev3_MV_simple_i	Calculated Difference in Frequency		
DifAngClc	ABBIED600_Rev3_MV_simple_i	Calculated Difference of Phase Angle		
DifV	ABBIED600_Rev3_ASG_SG_i	Difference Voltage		

DifHz	ABBIED600_Rev3_ASG_SG_i	Difference Frequency		
DifAng	ABBIED600_Rev3_ASG_SG_i	Difference Phase Angle		
LivDeaMod	ABBIED600_Rev3_ENG_SG_LivDeaMod	Live Dead Mode		
DeaLinVal	ABBIED600_Rev3_ASG_SP_i	Dead Line Value		
LivLinVal	ABBIED600_Rev3_ASG_SP_i	Live Line Value		
DeaBusVal	ABBIED600_Rev3_ASG_SP_i	Dead Bus Value		
LivBusVal	ABBIED600_Rev3_ASG_SP_i	Live Bus Value		
PlsTmms	ABBIED600_Rev1_ING_SP_e	Close Pulse Time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
CBTmms	ABBIED600_Rev1_ING_SP_e	Closing time of the breaker	EE	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
FailCmd	ABBIED600_Rev1_SPS_e	CB closing request failed	EE	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
FailSyn	ABBIED600_Rev1_SPS_e	CB closing failed	EE	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ClsRq	ABBIED600_Rev1_SPS_e	External closing request	EE	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
Byps	ABBIED600_Rev1_SPS_e	Request to bypass synchronism check and voltage check	EE	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
LLDBInd	ABBIED600_Rev1_SPS_e	Live Line, Dead Bus	EE	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
LLLBInd	ABBIED600_Rev1_SPS_e	Live Line, Live Bus	EE	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

DLLBInd	ABBIED600_Rev1_SPS_e	Dead Line, Live Bus	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
DLDBInd	ABBIED600_Rev1_SPS_e	Dead Line, Dead Bus	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
OpModSC	ABBIED600_Rev2_ENG_SP_OpModSC_e	Synchrocheck mode	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
OpModCtl	ABBIED600_Rev3_ENG_SP_OpModCtrl_e	Selection of synchro check command or Continuous control mode	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
EnSt	ABBIED600_Rev2_ENS_EnergSt_e	Energization state of Line and Bus	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
MaxVEn	ABBIED600_Rev3_ASG_SP_i_e	Maximum voltage for energizing	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PhSht	ABBIED600_Rev3_ASG_SP_i_e	Correction of phase differ-ence between measured U_BUS and U_LINE	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
EnTmms	ABBIED600_Rev1_ING_SP_e	Time delay for energizing check	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
MaxSynTmms	ABBIED600_Rev1_ING_SP_e	Maximum time to accept synchronizing	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
MinSynTmms	ABBIED600_Rev1_ING_SP_e	Minimum time to accept syn-chronizing	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
TestCtl	ABBIED600_Rev5_ENC_TestCtl_e	Test control for outputs	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

VSrcSw	ABBIED600_Rev1_SPG_SP_e	Voltage source switch	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.2 3.2.2 LN: PHSVPR2 Name: SVPR (ED2,ED1)

Related LN(s): LD0.PHSVPR2.LN type: PHSVPR2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks	
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD_e	Mode	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Beh	ABBIED600_Rev4_ENS_beh_e	Behaviour	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Health	ABBIED600_Rev4_ENS_health	Health			
NamPlt	ABBIED600_Rev1_LPL_lnNs_1_e	Name plate	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Blk	ABBIED600_Rev1_SPS_simple_e	Block signal for all binary outputs	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
LivLinVal	ABBIED600_Rev3_ASG_SP_i_e	Voltage live value	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
DeaLinVal	ABBIED600_Rev3_ASG_SP_i_e	Voltage dead value	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
TestSpvn	ABBIED600_Rev3_ENC_TestSpvn	Test control for outputs			
VLivTmms	ABBIED600_Rev1_ING_SP_1	Voltage live time			
VDeaTmms	ABBIED600_Rev1_ING_SP_1	Voltage dead time			
VSel	ABBIED600_Rev3_ENG_SP_VSel	Parameter to select phase or phase-to-phase voltages			
PhSpvn	ABBIED600_Rev2_ENG_SP_PhSv	Monitored phase			

NumPh	ABBIED600_Rev3_ENG_SP_StrPhSel	Number of phases required for live and dead voltage supervision		
VLiv	ABBIED600_Rev1_SPS_simple	Voltage live		
VLivPhsA	ABBIED600_Rev1_SPS_simple	Voltage live A or AB		
VLivPhsB	ABBIED600_Rev1_SPS_simple	Voltage live B or BC		
VLivPhsC	ABBIED600_Rev1_SPS_simple	Voltage live C or CA		
VDea	ABBIED600_Rev1_SPS_simple	Voltage dead		
VDeaPhsA	ABBIED600_Rev1_SPS_simple	Voltage dead A or AB		
VDeaPhsB	ABBIED600_Rev1_SPS_simple	Voltage dead B or BC		
VDeaPhsC	ABBIED600_Rev1_SPS_simple	Voltage dead C or CA		
HysRl	ABBIED600_Rev3_ASG_SP_i	Relative hysteresis for voltage supervision		

5.1.3 3.2.3 LN: VMMXU2 Name: MMXU (ED2,ED1)

Related LN(s): LD0.VMMXU2.LN type: VMMXU2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Operation		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
PPV	ABBIED600_Rev3_DEL_threephase_full_i	Phase to phase voltages		

PhV	ABBIED600_Rev3_WYE_4	Phase to ground voltag-es		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary out-puts	E	
VMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Selects used measurement mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
NumPh	ABBIED600_Rev3_ENG_SP_StrPhSel_e	Num of phases	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
HiAlm	ABBIED600_Rev1_SPS_e	High alarm	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
HiWrn	ABBIED600_Rev1_SPS_e	High warning	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
LoWrn	ABBIED600_Rev1_SPS_e	Low warning	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
LoAlm	ABBIED600_Rev1_SPS_e	Low alarm	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.4 3.2.4 LN: VAVMMXU2 Name: MMXU (ED2,ED1)

Related LN(s): LD0.VAVMMXU2.LN type: VAVMMXU2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
PPV	ABBIED600_Rev3_DEL_5_simpler	Phase to phase voltage		
PhV	ABBIED600_Rev3_WYE_threephase_simpler_i	Phase to earth voltage		
ClcMth	ABBIED600_Rev3_ENG_SP_ClcMth	Calculation method	E	
ClcMod	ABBIED600_Rev2_ENG_SP_ClcMod	Calculation mode	E	
ClcSrc	ABBIED600_Rev4_ORG_SP_1	Calculation start		

5.1.5 3.2.5 LN: VSMSQI2 Name: MSQI (ED2,ED1)

Related LN(s): LD0.VSMSQI2.LN type: VSMSQI2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
SeqV	ABBIED600_Rev3_SEQ_2	Positive, Negative and Zero Sequence Voltage		

5.1.6 3.2.6 LN: FMMXU2 Name: MMXU (ED2,ED1)

Related LN(s): LD0.FMMXU2.LN type: FMMXU2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Operation		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Hz	ABBIED600_Rev4_MV_5	Frequency		
DefHzSel	ABBIED600_Rev1_ENG_SP_DefHzSel_e	Default frequency selection	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.7 3.2.7 LN: LLN0 Name: LLN0 (ED2,ED1)

Related LN(s): LD0.LLN0.LN type: LLN0_REX61X_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_OnTestBlock	Test mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		

NamPlt	AB-BIED600_Rev8_LPL_LD0_LNN0_ED2	Name plate		ldNs: IEC 61850-7-4:2003 cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdc-Name: AB-BIED600_LD0_LLN0 eFD: ABB
IndLEDRs	ABBIED600_Rev2_SPC_indications_e	Indications and LEDs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ProgLEDRs	ABBIED600_Rev2_SPC_indications_e	Programmable LEDs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
MeasStatRs	ABBIED600_Rev2_SPC_control_e	Reset minimum and maximum demands	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PQRs	ABBIED600_Rev2_SPC_control_e	Reset all power quality data	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpModSetGr	AB-BIED600_Rev2_ENG_SP_OpModSG_e	Operation mode for setting group change	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActSetGr	ABBIED600_Rev2_INC_control_int_e	Active setting group	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Act1SetGr	ABBIED600_Rev1_SPC_simple_e	Active setting group 1	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Act2SetGr	ABBIED600_Rev1_SPC_simple_e	Active setting group 2	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Act3SetGr	ABBIED600_Rev1_SPC_simple_e	Active setting group 3	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Act4SetGr	ABBIED600_Rev1_SPC_simple_e	Active setting group 4	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Act5SetGr	ABBIED600_Rev1_SPC_simple_e	Active set-	E	dataNs: REx615

		ting group 5		MICS:2014>IEC 61850-7-4:2003
Act6SetGr	ABBIED600_Rev1_SPC_simple_e	Active setting group 6	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
LgcSelSetGr	ABBIED600_Rev1_SPC_simple_e	Logic selection for setting group	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
SetSvMaxDl	ABBIED600_Rev1_ENG_SP_SetSvMaxDl_e	SMV Max Delay	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
SvMaxDl	ABBIED600_Rev3_MV_simple_i_e	Max Delay	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
SvAvDl	ABBIED600_Rev3_MV_simple_i_e	Average delay	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
FcnSt	ABBIED600_Rev1_VSG_2_e	Configuration information	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ParChgCnt	ABBIED600_Rev1_INS_retain_e	Number of setting changes	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.8 3.2.8 LN: LPHD1 Name: LPHD (ED2,ED1)

Related LN(s): LD0.LPHD1.LN type: LPHD_REX61X_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
PhyNam	ABBIED600_Rev6_DPL_ied	General info		cdcNs REx615 MICS:2014>IEC 61850-7-4:2003 cdcName ABBIED600_DPL_ied
PhyHealth	ABBIED600_Rev4_ENS_health	General state		
Proxy	ABBIED600_Rev1_SPS	Proxy		
NumPwrUp	ABBIED600_Rev1_INS_retain	Number of Power ups		
WrmStr	ABBIED600_Rev1_INS_retain	Number of Warm starts		

WacTrg	ABBIED600_Rev1_INS_retain	Number of watchdog device resets detected		
PwrUp	ABBIED600_Rev1_SPS	Power up detected		

5.1.9 3.2.9 LN: LINF1 Name: LINF (ED2,ED1)

Related LN(s): LD0.LINF1.LN type: LINF_REX61X_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh_e	Behaviour	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev5_LPL_LD0_LINF_ED2_e	Name plate	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 lnNs: MICS_DATANS_TIGER cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_LPL_LD0_LINF eConfName: XX00 eBayName: REF615 eDevRev: ABB eCustomer: 0 eStreet: 0 eHouseNum: 0 eZip: 0 eCity: 0 eState: 0 eCountry: 0
BayNam	ABBIED600_Rev3_VSG_2_20_e	Name of the bay	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CfgNam	ABBIED600_Rev2_VSG_1_20_e	IED configuration name	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

DevRev	ABBIED600_Rev2_VSG_1_64_e	Product version number	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CstNam	ABBIED600_Rev1_VSG_2_64_e	Name of the customer	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CstStNam	ABBIED600_Rev1_VSG_2_64_e	Name of the state	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CstStreNam	ABBIED600_Rev1_VSG_2_64_e	Name of the street	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CstHouNum	ABBIED600_Rev1_VSG_2_64_e	Number of the house	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CstZip	ABBIED600_Rev3_VSG_2_20_e	ZIP/Postal code	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CstCityNam	ABBIED600_Rev1_VSG_2_64_e	City/Province	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CstCntyNam	ABBIED600_Rev1_VSG_2_64_e	Name of the country	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CardNam	ABBIED600_Rev8_DPL_eeprom_2_ED2_e	Card information	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_DPL_eeprom_2 eManDate: ABB eTestStatId: ABB eTesterId: ABB eTestDate: ABB eHwId: ABB
TestStaId	ABBIED600_Rev1_LPL_VSS_dU_20_e	Testing	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
HwId	ABBIED600_Rev1_LPL_VSS_1_20_e	HW module	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.10 3.2.10 LN: LDEV1 Name: LDEV (ED2,ED1)

Related LN(s): LD0.LDEV1.LN type: LDEV_REX61X_ED2.

Attribute name	Attribute type	Explana-tion	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh_e	Behaviour	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	AB-BIED600_Rev2_LPL_LD0_LDEV_ED2_e	Name plate	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 lnNs: MICS_DATANS_TIGER cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: AB-BIED600_LPL_LD0_LDEV eSwDate: ABB eSwNum: 2RAAXXXXXX eProdDate: ABB eOrdNum: ABB eMa-cAddr: ABB eMa-cAddr1: ABB eIp: ABB eIpSub-Net: ABB eIp-GateWay: ABB eIpFront: 192.168.0.254
IPAddr	ABBIED600_Rev3_VSG_2_20_e	IP address for rear port(s)	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
IPAddr-SubNtw	ABBIED600_Rev3_VSG_2_20_e	Subnet mask for rear port(s)	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

IPAddrGtw	ABBIED600_Rev3_VSG_2_20_e	Default gateway for rear port(s)	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
IPAddrFrt	ABBIED600_Rev2_VSG_1_20_e	IP address for front port (fixed)	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
Mac1	ABBIED600_Rev2_VSG_1_20_e	Mac address for rear port(s)	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
Mac2	ABBIED600_Rev2_VSG_1_20_e	Mac address for front port	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
SwrNum	ABBIED600_Rev1_LPL_VSS_1_20	SW		
OrdrNum	ABBIED600_Rev1_LPL_VSS_1_20	Order number		
WrmStrDet	ABBIED600_Rev1_SPS	Warm start detected		
WacTrgDet	ABBIED600_Rev1_SPS	Watchdog reset detected		
DevWrn	ABBIED600_Rev8_ENS_warning	Warning		
DevFail	ABBIED600_Rev11_ENS_error	Internal Fault		
StLstOv	ABBIED600_Rev1_SPS_e	Status overflow	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
MeasLstOv	ABBIED600_Rev1_SPS_e	Meas overflow	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ChgAckCnt	ABBIED600_Rev1_INS_retain_e	Number of composition changes	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ChgFlg	ABBIED600_Rev2_INC_control_int_e	Composi-	E	dataNs REx615 MICS:2014>IEC

		tion has changed		61850-7-4:2003
Wrm-StrCmd	ABBIED600_Rev2_SPC_control_e	Reset device	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
FailTest	ABBIED600_Rev2_SPC_control_e	Internal fault test	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
BlkMod	ABBIED600_Rev2_ENG_SP_BlkMod_e	Global blocking mode selection	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
HzSetSel	ABBIED600_Rev2_ENG_SP_HzSet_e	Rated frequency	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
PhRotSet	ABBIED600_Rev2_ENG_SP_PhRotSet_e	Phase rotation order	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
DiVThres	ABBIED600_Rev1_ING_SP_e	Threshold voltage	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
DiOscThres	ABBIED600_Rev1_ING_SP_1_e	Input osc. level	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
DiOscHys	ABBIED600_Rev1_ING_SP_1_e	Input osc. hyst	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
SetSeld	ABBIED600_Rev1_SPS_e	Settings reservation	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
SetChg	ABBIED600_Rev1_SPS_e	Settings change	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
PhOrdMod	ABBIED600_Rev2_ENG_SP_PhOrdSet_e	Phase connection order	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ACrvSatPnt	ABBIED600_Rev1_ASG_SP_f_e	Overcurrent IDMT saturation point	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AD-mdAvMod	AB-BIED600_Rev2_ENG_SP_DmdAvMod_e	A demand Av mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

MtrDmdItrv	ABBIED600_Rev2_ENG_SP_dmdItrv_e	Demand interval	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
HzAdpEna	ABBIED600_Rev1_SPG_SP_e	Frequency adaptivity	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ModRemCtl	ABBIED600_Rev2_ENG_SP_ModRemCtrl_e	Authority for remote activation of test mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
LangSel	ABBIED600_Rev5_ENG_SP_Languages_e	Language selection	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
Contr	ABBIED600_Rev1_ING_SP_1_e	Contrast selection	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
NumFrm	ABBIED600_Rev1_ING_SP_1_e	NUMf	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
LgtLivTm	ABBIED600_Rev1_ING_SP_1_e	Backligth timeout	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TmFrm	ABBIED600_Rev2_ENG_SP_FormatTime_e	Time format	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
DateFrm	ABBIED600_Rev2_ENG_SP_FormatDate_e	Date format	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
NamConvn	ABBIED600_Rev2_ENG_SP_NamingConvention_e	FB naming convention	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
DftVw	ABBIED600_Rev4_ENG_SP_DefaultView_e	Default view	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AcsMod	ABBIED600_Rev2_ENG_SP_WhmiMod_e	Web HMI mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ConnExpTm	ABBIED600_Rev1_ING_SP_1_e	Web HMI timeout	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
EvtLstClr	ABBIED600_Rev2_SPC_control_e	Event clear	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
SLDSymFrm	ABBIED600_Rev2_ENG_SP_SLDSymbolFormat_e	SLD symbol format	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

ScrDlTms	ABBIED600_Rev1_ING_SP_1_e	Autoscroll delay	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ClsDlMod	ABBIED600_Rev2_ENG_SP_InUse_e	CB close delay mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ClsDlTms	ABBIED600_Rev1_ING_SP_1_e	CB close delay	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
SetVsb	ABBIED600_Rev2_ENG_SP_SetVsb_e	Setting visibility	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
HzAdpFail	ABBIED600_Rev1_SPS_e	Frequency adaptivity status	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.11 3.2.11 LN: GSAL1 Name: GSAL (ED2,ED1)

Related LN(s): LD0.GSAL1.LN type: GSAL_REX61X_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
OpCntRs	ABBIED600_Rev1_INC_simple_int	Resetable Security Violations counter		
NumCntRs	ABBIED600_Rev1_INS	Number of counter resets		
AuthFail	ABBIED600_Rev1_SEC	Authorization failures detected		
AcsCtlFail	ABBIED600_Rev1_SEC	Access control failures detected		

SvcViol	ABBIED600_Rev1_SEC	Service privilege violations		
Ina	ABBIED600_Rev1_SEC	Inactive associations		
AuthRem	ABBIED600_Rev3_SPG_SP_authority_ED2_e	Remote authorization	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_SPG_SP_authority pwdAdmin: ABB pwdEng: ABB pwdOpr: ABB pwdView: ABB
AuthAcsVw	ABBIED600_Rev10_ENS_AuthAcs_e	Viewer access	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AuthAcsOpr	ABBIED600_Rev10_ENS_AuthAcs_e	Operator access	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AuthAcsEng	ABBIED600_Rev10_ENS_AuthAcs_e	Engineer access	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AuthAcsAdm	ABBIED600_Rev10_ENS_AuthAcs_e	Administrator access	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AuthAcsLev	ABBIED600_Rev2_ENG_SP_AuthAcsLev_e	Logging level	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RemUpdEna	ABBIED600_Rev1_SPG_SP_AccessAdmW_e	Remote Update Enable	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AuthRemAdm	ABBIED600_Rev1_VSG_2_64_e	Remote authorization (administrator)	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AuthRemEng	ABBIED600_Rev1_VSG_2_64_e	Remote authorization	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

		(engineer)		
AuthRem-Opr	ABBIED600_Rev1_VSG_2_64_e	Remote authorization (operator)	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AuthRemVw	ABBIED600_Rev1_VSG_2_64_e	Remote authorization (viewer)	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.12 3.2.12 LN: IHMI1 Name: IHMI (ED2,ED1)

Related LN(s): LD0.IHMI1.LN type: IHMI_REX61X_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
CardNam	ABBIED600_Rev8_DPL_eeprom_2_ED2_e	Card information	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_DPL_eeprom_2 eManDate: ABB eTestStatId: ABB eTesterId: ABB eTestDate: ABB eHwId: ABB
TestStald	ABBIED600_Rev1_LPL_VSS_dU_20_e	Testing	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
HwId	ABBIED600_Rev1_LPL_VSS_1_20_e	HW module	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.13 3.2.13 LN: XGGIO100 Name: GGIO (ED2,ED1)

Related LN(s): LD0.XGGIO100.LN type: XGGIO100_ED2.

Attrib-ute name	Attribute type	Explana-tion	M/O/E	Remarks
Mod	AB-BIED600_Rev1_ENC_Mod_OnOff_NoBlk	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
SPCSO1	ABBIED600_Rev2_SPC_control	X100-Output 1		
SPCSO2	ABBIED600_Rev2_SPC_control	X100-Output 2		
SPCSO3	ABBIED600_Rev2_SPC_control	X100-Output 3		
SPCSO4	ABBIED600_Rev2_SPC_control	X100-Output 4		
SPCSO5	ABBIED600_Rev2_SPC_control	X100-Output 5		
SPCSO6	ABBIED600_Rev2_SPC_control	X100-Output 6		
Card-Nam	AB-BIED600_Rev8_DPL_eeprom_2_ED2_e	Card in-formation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: AB-BIED600_DPL_eeprom_2 eManDate: ABB eTestStatId: ABB eTesterId: ABB eTestDate: ABB eHwId: ABB
HwId	ABBIED600_Rev1_LPL_VSS_1_20_e	HW mod-ule	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TestStal	ABBIED600_Rev1_LPL_VSS_dU_20_e	Testing	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

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5.1.14 3.2.14 LN: LEDGGIO1 Name: GGIO (ED2,ED1)

Related LN(s): LD0.LEDGGIO1.LN type: LEDGGIO1_ED1.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Alm1	ABBIED600_Rev1_SPS_simple	Alarm input for LED 1		
Alm2	ABBIED600_Rev1_SPS_simple	Alarm input for LED 2		
Alm3	ABBIED600_Rev1_SPS_simple	Alarm input for LED 3		
Alm4	ABBIED600_Rev1_SPS_simple	Alarm input for LED 4		
Alm5	ABBIED600_Rev1_SPS_simple	Alarm input for LED 5		
Alm6	ABBIED600_Rev1_SPS_simple	Alarm input for LED 6		
Alm7	ABBIED600_Rev1_SPS_simple	Alarm input for LED 7		
Alm8	ABBIED600_Rev1_SPS_simple	Alarm input for LED 8		
Alm9	ABBIED600_Rev1_SPS_simple	Alarm input for LED 9		
Alm10	ABBIED600_Rev1_SPS_simple	Alarm input for LED 10		
Alm11	ABBIED600_Rev1_SPS_simple	Alarm input for LED 11		
Ind1	ABBIED600_Rev1_SPS_simple	Ok input for LED 1		

Ind2	ABBIED600_Rev1_SPS_simple	Ok input for LED 2		
Ind3	ABBIED600_Rev1_SPS_simple	Ok input for LED 3		
Ind4	ABBIED600_Rev1_SPS_simple	Ok input for LED 4		
Ind5	ABBIED600_Rev1_SPS_simple	Ok input for LED 5		
Ind6	ABBIED600_Rev1_SPS_simple	Ok input for LED 6		
Ind7	ABBIED600_Rev1_SPS_simple	Ok input for LED 7		
Ind8	ABBIED600_Rev1_SPS_simple	Ok input for LED 8		
Ind9	ABBIED600_Rev1_SPS_simple	Ok input for LED 9		
Ind10	ABBIED600_Rev1_SPS_simple	Ok input for LED 10		
Ind11	ABBIED600_Rev1_SPS_simple	Ok input for LED 11		
LEDSt1	ABBIED600_Rev4_ENC_control_led_e	LED 1	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
LEDSt2	ABBIED600_Rev4_ENC_control_led_e	LED 2	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
LEDSt3	ABBIED600_Rev4_ENC_control_led_e	LED 3	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
LEDSt4	ABBIED600_Rev4_ENC_control_led_e	LED 4	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
LEDSt5	ABBIED600_Rev4_ENC_control_led_e	LED 5	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
LEDSt6	ABBIED600_Rev4_ENC_control_led_e	LED 6	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

LEDSt7	ABBIED600_Rev4_ENC_control_led_e	LED 7	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
LEDSt8	ABBIED600_Rev4_ENC_control_led_e	LED 8	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
LEDSt9	ABBIED600_Rev4_ENC_control_led_e	LED 9	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
LEDSt10	ABBIED600_Rev4_ENC_control_led_e	LED 10	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
LEDSt11	ABBIED600_Rev4_ENC_control_led_e	LED 11	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
LEDSeq1	ABBIED600_Rev3_ENG_SP_LedMode_e	Alarm mode	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
LEDSeq2	ABBIED600_Rev3_ENG_SP_LedMode_e	Alarm mode	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
LEDSeq3	ABBIED600_Rev3_ENG_SP_LedMode_e	Alarm mode	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
LEDSeq4	ABBIED600_Rev3_ENG_SP_LedMode_e	Alarm mode	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
LEDSeq5	ABBIED600_Rev3_ENG_SP_LedMode_e	Alarm mode	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
LEDSeq6	ABBIED600_Rev3_ENG_SP_LedMode_e	Alarm mode	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
LEDSeq7	ABBIED600_Rev3_ENG_SP_LedMode_e	Alarm mode	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
LEDSeq8	ABBIED600_Rev3_ENG_SP_LedMode_e	Alarm mode	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
LEDSeq9	ABBIED600_Rev3_ENG_SP_LedMode_e	Alarm mode	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
LEDSeq10	ABBIED600_Rev3_ENG_SP_LedMode_e	Alarm mode	E	dataNs	REx615

					MICS:2014>IEC 61850-7-4:2003
LEDSeq11	ABBIED600_Rev3_ENG_SP_LedMode_e	Alarm mode	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InRsLED1	ABBIED600_Rev1_SPS_simple_e	Reset input for LED 1	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InRsLED2	ABBIED600_Rev1_SPS_simple_e	Reset input for LED 2	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InRsLED3	ABBIED600_Rev1_SPS_simple_e	Reset input for LED 3	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InRsLED4	ABBIED600_Rev1_SPS_simple_e	Reset input for LED 4	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InRsLED5	ABBIED600_Rev1_SPS_simple_e	Reset input for LED 5	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InRsLED6	ABBIED600_Rev1_SPS_simple_e	Reset input for LED 6	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InRsLED7	ABBIED600_Rev1_SPS_simple_e	Reset input for LED 7	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InRsLED8	ABBIED600_Rev1_SPS_simple_e	Reset input for LED 8	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InRsLED9	ABBIED600_Rev1_SPS_simple_e	Reset input for LED 9	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InRsLED10	ABBIED600_Rev1_SPS_simple_e	Reset input for LED 10	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InRsLED11	ABBIED600_Rev1_SPS_simple_e	Reset input for LED 11	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AlmColr	ABBIED600_Rev3_ENG_SP_LedColor_e	Alarm colour	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.15 3.2.15 LN: LEDPTRC1 Name: PTRC (ED2,ED1)

Related LN(s): LD0.LEDPTRC1.LN type: LEDPTRC_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Op	ABBIED600_Rev1_ACT_full	Operate		
Str	ABBIED600_Rev1_ACD_full	Start		
InRs	ABBIED600_Rev1_SPS_simple_e	Reset	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
InOp	ABBIED600_Rev2_SPS_dU_e	Input operate	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
InStr	ABBIED600_Rev2_SPS_dU_e	Input start	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.16 3.2.16 LN: GSELPRT1 Name: LPRT (ED2,ED1)

Related LN(s): LD0.GSELPRT1.LN type: GSELPRT1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh_e	Behaviour	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_lnNs_1_e	Name plate	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
FrRxCnt	ABBIED600_Rev1_INS	Received msgs		
FrTxCnt	ABBIED600_Rev1_INS	Transmitted Mes-		

		sages		
RxStCnt	ABBIED600_Rev1_INS	Received State Changes		
RxSeqCnt	ABBIED600_Rev1_INS	Received Sequence Number		
RxTestCnt	ABBIED600_Rev1_INS	Received frames with Test bit		
StWrnCnt	ABBIED600_Rev1_INS	State warnings		
SeqWrnCnt	ABBIED600_Rev1_INS	Sequence warnings		
RxTmOutCnt	ABBIED600_Rev1_INS	Receiver Timeouts		
ConfErrCnt	ABBIED600_Rev1_INS	Received ConfRev mismatches		
NdsComCnt	ABBIED600_Rev1_INS	Received frames with NeedsCommis-sioning bit		
DSErrCnt	ABBIED600_Rev1_INS	Errors in received dataset		
Alm	ABBIED600_Rev1_SPS_e	Alarm	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CntRs	ABBIED600_Rev2_SPC_control_e	Goose counters re-set	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.17 3.2.17 LN: MMSLPRT1 Name: LPRT (ED2,ED1)

Related LN(s): LD0.MMSLPRT1.LN type: MMSLPRT1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh_e	Behaviour	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev3_LPL_mms_e	Name plate	E	dataNs: REx615 MICS:2014>IEC

				61850-7-4:2003 lnNs: MICS_DATANS_TIGER cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdc-Name: AB-BIED600_LPL_mms eIp1: ABB eIp2: ABB eIp3: ABB eIp4: ABB eIp5: ABB
SucConn	ABBIED600_Rev1_INS	Successful Connections		
FailConn	ABBIED600_Rev1_INS	Failed Connections		
ConcCnt	ABBIED600_Rev1_INS	Concludes		
TxAbtCnt	ABBIED600_Rev1_INS	Sent Aborts		
RxAbtCnt	ABBIED600_Rev1_INS	Received Aborts		
TxRejCnt	ABBIED600_Rev1_INS	Sent Rejects		
RxRqCnt	ABBIED600_Rev1_INS	Received Request		
FailRqCnt	ABBIED600_Rev1_INS	Failed Requests		
SucReaCnt	ABBIED600_Rev1_INS	Successful Reads		
FailReaCnt	ABBIED600_Rev1_INS	Failed Reads		
SucWrCnt	ABBIED600_Rev1_INS	Successful Writes		
FailWrCnt	ABBIED600_Rev1_INS	Failed Writes		
InfRpCnt	ABBIED600_Rev1_INS	Information Reports		
ActConnCnt	ABBIED600_Rev1_INS	Active Connections		
UnitMod	AB-	Unit mode		

	BIED600_Rev2_ENG_SP_UnitMod			
SetCnfMod	ABBIED600_Rev2_SPC_technical	Setting group editing mode		
CntRs	ABBIED600_Rev2_SPC_control	Communication status		
StdConf1	ABBIED600_Rev1_SPG_SP	Standard conformance		
StdConf2	ABBIED600_Rev1_SPG_SP	Standard conformance		
ChLiv	ABBIED600_Rev1_SPS_e	MMS Communication status	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CliIP1	ABBIED600_Rev1_LPL_VSS_1_20	Client 1 IP address		
CliIP2	ABBIED600_Rev1_LPL_VSS_1_20	Client 2 IP address		
CliIP3	ABBIED600_Rev1_LPL_VSS_1_20	Client 3 IP address		
CliIP4	ABBIED600_Rev1_LPL_VSS_1_20	Client 4 IP address		
CliIP5	ABBIED600_Rev1_LPL_VSS_1_20	Client 5 IP address		

5.1.18 3.2.18 LN: GNRLLTMS1 Name: LTMS (ED2,ED1)

Related LN(s): LD0.GNRLLTMS1.LN type: GNRLLTMS1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev5_LPL_tms_ED2	Name plate		lnNs: MICS_DATANS_TIGER cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_LPL_tms

				mstrId: ABB elp-SNTPpri: ABB elp-SNTPsec: ABB
TmAcc	ABBIED600_Rev1_INS	Number of significant bits in the Fraction Of Second in the time accuracy part of the time stamp.		
TmSrc	ABBIED600_Rev1_LPL_VSS_1_64	Current time source		
TmSyn	ABBIED600_Rev1_ENS_TmSyn	Time synchronized according to IEC 61850-9-2		
TmChSt1	ABBIED600_Rev1_SPS	Time channel status (up/down)		
TmSrcSel1	ABBIED600_Rev6_ENG_SP_SyncSrc_e	Time source setting (“ 1588 ” in case the time source is a IEEE 1588 source or dotted IP-address)	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TmSrcSt	ABBIED600_Rev4_ENS_TmSrc_e	Current time source	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
DomId	ABBIED600_Rev1_ING_SP_1_e	The domain is identified by an integer, the domain-	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

		Number, in the range of 0 to 255.		
Alm	ABBIED600_Rev1_SPS_e	Alarm	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
Wrn	ABBIED600_Rev1_SPS_e	Warning	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
PTPTmSrc	ABBIED600_Rev2_ENS_PTPTmSrc_e	GrandMaster timeSource enum according to PTPv2	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
PTPClkAcc	ABBIED600_Rev2_ENS_PTPClkAcc_e	Grandmaster clockAccuracy enum according to PTPv2	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
LocClkAcc	ABBIED600_Rev1_INS_e	Local clock accuracy (master + IED synch accuracy)[us]	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
MaxDevAcc	ABBIED600_Rev1_INS_e	Maximum deviation of the Local synch accuracy [us]	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
PTPPrio1	ABBIED600_Rev1_ING_SP_1_e	PTP priority 1, in the range of 0 to 255.	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
PTPPrio2	ABBIED600_Rev1_ING_SP_1_e	PTP priority 2, in the range of 0 to 255.	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
MstrId	ABBIED600_Rev2_VSG_1_20_e	Grandmaster Identity octet string according to PTPv2	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
IPAd-	ABBIED600_Rev3_VSG_2_20_e	IP address for	E	dataNs REx615

drSNTP1		SNTP primary server		MICS:2014>IEC 61850-7-4:2003
IPAd-drSNTP2	ABBIED600_Rev3_VSG_2_20_e	IP address for SNTP sec-ondary server	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PTPAnnc-Mod	AB-BIED600_Rev1_ENG_SP_PTPAnncMod_e	PTP An-nounce Mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.19 3.2.19 LN: GNRLLTIM1 Name: LTIM (ED2,ED1)

Related LN(s): LD0.GNRLLTIM1.LN type: GNRLLTIM1.

Attribute name	Attribute type	Explana-tion	M/O/E	Remarks
Mod	AB-BIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	AB-BIED600_Rev6_LPL_LD0_LTIM	Name plate		lnNs: IEC 61850-7-4:2007 cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: AB-BIED600_LPL_LD0_LTIM occDT: 0 occTypeDT: 0 occPerDT: 4 week-DayDT: 0 monthDT: 5 dayDT: 1 hrDT: 2 mnDT: 0 occST: 0 occTypeST: 0 occPerST: 4 week-DayST: 0 monthST: 9 dayST: 25 hrST: 2

				mnST: 0 tmSys: 0 dateSys: 0
TmDT	ABBIED600_Rev1_SPS	Indicating if DST is in effect		
TmOf-sTmm	ABBIED600_Rev1_ING_SP_1	Offset of local time from UTC in minutes		
TmUseDT	ABBIED600_Rev1_SPG_SP	DST in use setting		
TmChgDT	AB-BIED600_Rev3_TSG_SP_setCal	Local time of next change to daylight saving time		
TmChgST	AB-BIED600_Rev3_TSG_SP_setCal	Local time of next change to standard time		
TmSys	ABBIED600_Rev3_VSG_2_20_e	System time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
DateSys	ABBIED600_Rev3_VSG_2_20_e	System date	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TmOfsDT	ABBIED600_Rev1_ING_SP_1_e	Daylight saving time offset	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.20 3.2.20 LN: PHIPTOC1 Name: PTOC (ED2,ED1)

Related LN(s): LD0.PHIPTOC1.LN type: PHIPTOC1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		

Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
InEnaMult	ABBIED600_Rev1_SPS_e	Enable signal for current multiplier	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
NumPh	ABBIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for scaling the start value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.21 3.2.21 LN: DPHLPTOC1 Name: PTOC (ED2,ED1)

Related LN(s): LD0.DPHLPTOC1.LN type: DPHLPTOC1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		

Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
TmACrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Type of Reset Curve		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod	Directional Mode		
InEnaMult	ABBIED600_Rev1_SPS_e	Enable signal for current multiplier	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
NumPh	ABBIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for scaling the start value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start	E	dataNs: REx615

		time / operate time			MICS:2014>IEC 61850-7-4:2003
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Measuring mode	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AllwNonDir	ABBIED600_Rev1_SPG_SP_e	Allows prot activation as non-dir when dir info is invalid	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
NonDir	ABBIED600_Rev1_SPS_e	Forces protection to non-directional	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.22 3.2.22 LN: DPHLRDIR1 Name: RDIR (ED2,ED1)

Related LN(s): LD0.DPHLRDIR1.LN type: DPHLRDIR1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Dir	ABBIED600_Rev1_ACD_threephase	Direction		
ChrAng	ABBIED600_Rev3_ASG_SG_i	Characteristic angle		
MinFwdAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in forward direction		
MinRvAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in reverse direction		
MaxFwdAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in forward direction		

MaxRvAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in reverse direction		
BlkValA	ABBIED600_Rev3_ASG_SP_i	Min operate current		
BlkValV	ABBIED600_Rev3_ASG_SP_i	Min operate voltage		
PolQty	ABBIED600_Rev3_ENG_SG_PolQty	Polarising Quantity		
VMemTmms	ABBIED600_Rev1_ING_SG_e	Voltage memory time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAngPhsA	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase A	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAngPhsB	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase B	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAngPhsC	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase C	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VMemUsedSt	ABBIED600_Rev1_SPS_e	Voltage memory in use status	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.23 3.2.23 LN: DPHLPTOC2 Name: PTOC (ED2,ED1)

Related LN(s): LD0.DPHLPTOC2.LN type: DPHLPTOC2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_threephase	Start		

Op	ABBIED600_Rev1_ACT_threephase	Operate		
TmACrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Type of Reset Curve		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod	Directional Mode		
InEnaMult	ABBIED600_Rev1_SPS_e	Enable signal for current multiplier	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
NumPh	ABBIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for scaling the start value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Measuring mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

AllwNonDir	ABBIED600_Rev1_SPG_SP_e	Allows prot activation as non-dir when dir info is invalid	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
NonDir	ABBIED600_Rev1_SPS_e	Forces protection to non-directional	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.24 3.2.24 LN: DPHLRDIR2 Name: RDIR (ED2,ED1)

Related LN(s): LD0.DPHLRDIR2.LN type: DPHLRDIR2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Dir	ABBIED600_Rev1_ACD_threephase	Direction		
ChrAng	ABBIED600_Rev3_ASG_SG_i	Characteristic angle		
MinFwdAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in forward direction		
MinRvAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in reverse direction		
MaxFwdAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in forward direction		
MaxRvAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in reverse direction		
BlkValA	ABBIED600_Rev3_ASG_SP_i	Min operate current		
BlkValV	ABBIED600_Rev3_ASG_SP_i	Min operate voltage		

PolQty	ABBIED600_Rev3_ENG_SG_PolQty	Polarising Quantity		
VMemTmms	ABBIED600_Rev1_ING_SG_e	Voltage memory time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAngPhsA	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase A	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAngPhsB	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase B	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAngPhsC	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase C	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VMemUsedSt	ABBIED600_Rev1_SPS_e	Voltage memory in use status	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.25 3.2.25 LN: DPHHPTOC1 Name: PTOC (ED2,ED1)

Related LN(s): LD0.DPHHPTOC1.LN type: DPHHPTOC1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
TmACrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		

MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Selection of reset curve type		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod	Directional Mode		
InEnaMult	ABBIED600_Rev1_SPS_e	Enables current multiplier	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
NumPh	ABBIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for scaling the start value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Selects used measurement mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AllwNonDir	ABBIED600_Rev1_SPG_SP_e	Allows prot activation as non-dir when dir info is invalid	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
NonDir	ABBIED600_Rev1_SPS_e	Forces protection to non-directional	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.26 3.2.26 LN: DPHHRDIR1 Name: RDIR (ED2,ED1)

Related LN(s): LD0.DPHHRDIR1.LN type: DPHHRDIR1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Dir	ABBIED600_Rev1_ACD_threephase	DIR		
ChrAng	ABBIED600_Rev3_ASG_SG_i	Characteristic angle		
MinFwdAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in forward direction		
MinRvAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in reverse direction		
MaxFwdAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in forward direction		
MaxRvAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in reverse direction		
BlkValA	ABBIED600_Rev3_ASG_SP_i	Min operate current		
BlkValV	ABBIED600_Rev3_ASG_SP_i	Min operate voltage		
PolQty	ABBIED600_Rev3_ENG_SG_PolQty	Polarizing quantity		
VMemTmms	ABBIED600_Rev1_ING_SG_e	Voltage memory time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAngPhsA	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase A	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAngPhsB	ABBIED600_Rev3_MV_simple_i_e	Calc angle dif-	E	dataNs: REx615

		ference phase B			MICS:2014>IEC 61850-7-4:2003
OpChrAngPhsC	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase C	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
VMemUsedSt	ABBIED600_Rev1_SPS_e	Voltage memory in use status	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.27 3.2.27 LN: DPHHPTOC2 Name: PTOC (ED2,ED1)

Related LN(s): LD0.DPHHPTOC2.LN type: DPHHPTOC2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
TmACrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Selection of reset curve type		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		

DirMod	ABBIED600_Rev3_ENG_SG_DirMod	Directional Mode		
InEnaMult	ABBIED600_Rev1_SPS_e	Enables current multiplier	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
NumPh	ABBIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for scaling the start value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Selects used measurement mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AllwNonDir	ABBIED600_Rev1_SPG_SP_e	Allows prot activation as non-dir when dir info is invalid	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
NonDir	ABBIED600_Rev1_SPS_e	Forces protection to non-directional	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.28 3.2.28 LN: DPHHRDIR2 Name: RDIR (ED2,ED1)

Related LN(s): LD0.DPHHRDIR2.LN type: DPHHRDIR2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		

Dir	ABBIED600_Rev1_ACD_threephase	DIR		
ChrAng	ABBIED600_Rev3_ASG_SG_i	Characteristic angle		
MinFwdAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in forward direction		
MinRvAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in reverse direction		
MaxFwdAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in forward direction		
MaxRvAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in reverse direction		
BlkValA	ABBIED600_Rev3_ASG_SP_i	Min operate current		
BlkValV	ABBIED600_Rev3_ASG_SP_i	Min operate voltage		
PolQty	ABBIED600_Rev3_ENG_SG_PolQty	Polarizing quantity		
VMemTmms	ABBIED600_Rev1_ING_SG_e	Voltage memory time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAngPhsA	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase A	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAngPhsB	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase B	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAngPhsC	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase C	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VMemUsedSt	ABBIED600_Rev1_SPS_e	Voltage memory in use status	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.29 3.2.29 LN: EFIPTOC1 Name: PTOC (ED2,ED1)

Related LN(s): LD0.EFIPTOC1.LN type: EFIPTOC1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for operate current level	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
InEnaMult	ABBIED600_Rev1_SPS_e	Enable current multiplier	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AResSigSel	ABBIED600_Rev2_ENG_SP_AResSigSel_e	Selection for used Io signal	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.30 3.2.30 LN: DEFLPTOC1 Name: PTOC (ED2,ED1)

Related LN(s): LD0.DEFLPTOC1.LN type: DEFLPTOC1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
TmACrv	ABBIED600_Rev2_CURVE_SG	Curve parameter E		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Selection of reset curve type		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod	Directional Mode		
VStr	ABBIED600_Rev3_ASG_SG_i_e	Voltage start value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for scaling the start value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

AllwNonDir	ABBIED600_Rev1_SPG_SP_e	Allows prot activation as non-dir when dir info is invalid	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Selects used measurement mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
InEnaMult	ABBIED600_Rev1_SPS_e	Enables current multiplier	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
EnaVLim	ABBIED600_Rev1_SPG_SG_e	Enable voltage limit	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AResSigSel	ABBIED600_Rev2_ENG_SP_AResSigSel_e	Selection for used Io signal	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.31 3.2.31 LN: DEFLRDIR1 Name: RDIR (ED2,ED1)

Related LN(s): LD0.DEFLRDIR1.LN type: DEFLRDIR1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Dir	ABBIED600_Rev1_ACD_simple	Direction		
ChrAng	ABBIED600_Rev3_ASG_SG_i	Characteristic angle		
MinFwdAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in		

		forward direction		
MinRvAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in reverse direction		
MaxFwdAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in forward direction		
MaxRvAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in reverse direction		
BlkValA	ABBIED600_Rev3_ASG_SP_i	Minimum operating current		
BlkValV	ABBIED600_Rev3_ASG_SP_i	Minimum operating voltage		
PolQty	ABBIED600_Rev1_ENG_SP_PolQty	Polarizing quantity		
InRcaCtl	ABBIED600_Rev1_SPS_e	Relay characteristic angle control	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpModEF	ABBIED600_Rev2_ENG_SG_OpModEF_e	Operation criteria	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
CorAng	ABBIED600_Rev3_ASG_SP_i_e	Correction angle	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
RevPol	ABBIED600_Rev1_SPG_SP_e	Rotate polarizing quantity	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpAEF	ABBIED600_Rev3_MV_simple_i_e	Operating current for EF protection	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpPolAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating and polarizing	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

		quantity		
OpChrAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating angle and characteristic angle	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VResSigSel	ABBIED600_Rev2_ENG_SP_VResSigSel_e	Selection for used Uo signal	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.32 3.2.32 LN: DEFLPTOC2 Name: PTOC (ED2,ED1)

Related LN(s): LD0.DEFLPTOC2.LN type: DEFLPTOC2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
TmACrv	ABBIED600_Rev2_CURVE_SG	Curve parameter E		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Selection of reset curve type		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay		

		Time		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod	Directional Mode		
VStr	ABBIED600_Rev3_ASG_SG_i_e	Voltage start value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for scaling the start value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AllwNonDir	ABBIED600_Rev1_SPG_SP_e	Allows prot activation as non-dir when dir info is invalid	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Selects used measurement mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
InEnaMult	ABBIED600_Rev1_SPS_e	Enables current multiplier	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_simple_i_e	Ratio of start time / operate time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
EnaVLim	ABBIED600_Rev1_SPG_SG_e	Enable voltage limit	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AResSigSel	ABBIED600_Rev2_ENG_SP_AResSigSel_e	Selection for used Io signal	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.33 3.2.33 LN: DEFLRDIR2 Name: RDIR (ED2,ED1)

Related LN(s): LD0.DEFLRDIR2.LN type: DEFLRDIR2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		

Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Dir	ABBIED600_Rev1_ACD_simple	Direction		
ChrAng	ABBIED600_Rev3_ASG_SG_i	Characteristic angle		
MinFwdAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in forward direction		
MinRvAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in reverse direction		
MaxFwdAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in forward direction		
MaxRvAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in reverse direction		
BlkValA	ABBIED600_Rev3_ASG_SP_i	Minimum operating current		
BlkValV	ABBIED600_Rev3_ASG_SP_i	Minimum operating voltage		
PolQty	ABBIED600_Rev1_ENG_SP_PolQty	Polarizing quantity		
InRcaCtl	ABBIED600_Rev1_SPS_e	Relay characteristic angle control	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpModEF	ABBIED600_Rev2_ENG_SG_OpModEF_e	Operation criteria	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CorAng	ABBIED600_Rev3_ASG_SP_i_e	Correction angle	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

RevPol	ABBIED600_Rev1_SPG_SP_e	Rotate polarizing quantity	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpAEF	ABBIED600_Rev3_MV_simple_i_e	Operating current for EF protection	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpPolAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating and polarizing quantity	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating angle and characteristic angle	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VResSigSel	ABBIED600_Rev2_ENG_SP_VResSigSel_e	Selection for used Uo signal	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.34 3.2.34 LN: DEFHPTOC1 Name: PTOC (ED2,ED1)

Related LN(s): LD0.DEFHPTOC1.LN type: DEFHPTOC1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
TmACrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		

MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Selection of reset curve type		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod	Directional Mode		
VStr	ABBIED600_Rev3_ASG_SG_i_e	Voltage start value	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for scaling the start value	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AllwNonDir	ABBIED600_Rev1_SPG_SP_e	Allows prot activation as non-dir when dir info is invalid	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Selects used measurement mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
InEnaMult	ABBIED600_Rev1_SPS_e	Enables current multiplier	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
EnaVLim	ABBIED600_Rev1_SPG_SG_e	Enable voltage limit	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AResSigSel	ABBIED600_Rev2_ENG_SP_AResSigSel_e	Selection for	E	dataNs REx615

		used Io signal			MICS:2014>IEC 61850-7-4:2003

5.1.35 3.2.35 LN: DEFHRDIR1 Name: RDIR (ED2,ED1)

Related LN(s): LD0.DEFHRDIR1.LN type: DEFHRDIR1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Dir	ABBIED600_Rev1_ACD_simple	Direction		
ChrAng	ABBIED600_Rev3_ASG_SG_i	Characteristic angle		
MinFwdAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in forward direction		
MinRvAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in reverse direction		
MaxFwdAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in forward direction		
MaxRvAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in reverse direction		
BlkValA	ABBIED600_Rev3_ASG_SP_i	Minimum operating current		
BlkValV	ABBIED600_Rev3_ASG_SP_i	Minimum operating voltage		
PolQty	ABBIED600_Rev1_ENG_SP_PolQty	Polarizing		

		quantity		
InRcaCtl	ABBIED600_Rev1_SPS_e	Relay characteristic angle control	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpModEF	ABBIED600_Rev2_ENG_SG_OpModEF_e	Operation criteria	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
CorAng	ABBIED600_Rev3_ASG_SP_i_e	Correction angle	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
RevPol	ABBIED600_Rev1_SPG_SP_e	Rotate polarizing quantity	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpAEF	ABBIED600_Rev3_MV_simple_i_e	Operating current for EF protection	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpPolAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating and polarizing quantity	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating angle and characteristic angle	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VResSigSel	ABBIED600_Rev2_ENG_SP_VResSigSel_e	Selection for used Uo signal	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.36 3.2.36 LN: DEFHPTOC2 Name: PTOC (ED2,ED1)

Related LN(s): LD0.DEFHPTOC2.LN type: DEFHPTOC2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for	E	

		all binary outputs		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
TmACrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Selection of reset curve type		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod	Directional Mode		
VStr	ABBIED600_Rev3_ASG_SG_i_e	Voltage start value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for scaling the start value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AllwNonDir	ABBIED600_Rev1_SPG_SP_e	Allows prot activation as non-dir when dir info is invalid	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Selects used measurement mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
InEnaMult	ABBIED600_Rev1_SPS_e	Enables current multiplier	E	dataNs: REx615 MICS:2014>IEC

					61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
EnaVLim	ABBIED600_Rev1_SPG_SG_e	Enable voltage limit	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AResSigSel	ABBIED600_Rev2_ENG_SP_AResSigSel_e	Selection for used Io signal	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.37 3.2.37 LN: DEFHRDIR2 Name: RDIR (ED2,ED1)

Related LN(s): LD0.DEFHRDIR2.LN type: DEFHRDIR2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Dir	ABBIED600_Rev1_ACD_simple	Direction		
ChrAng	ABBIED600_Rev3_ASG_SG_i	Characteristic angle		
MinFwdAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in forward direction		
MinRvAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in reverse direction		
MaxFwdAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in forward direction		

MaxRvAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in reverse direction		
BlkValA	ABBIED600_Rev3_ASG_SP_i	Minimum operating current		
BlkValV	ABBIED600_Rev3_ASG_SP_i	Minimum operating voltage		
PolQty	ABBIED600_Rev1_ENG_SP_PolQty	Polarizing quantity		
InRcaCtl	ABBIED600_Rev1_SPS_e	Relay characteristic angle control	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpModEF	ABBIED600_Rev2_ENG_SG_OpModEF_e	Operation criteria	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CorAng	ABBIED600_Rev3_ASG_SP_i_e	Correction angle	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RevPol	ABBIED600_Rev1_SPG_SP_e	Rotate polarizing quantity	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpAEF	ABBIED600_Rev3_MV_simple_i_e	Operating current for EF protection	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpPolAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating and polarizing quantity	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating angle and characteristic angle	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VResSigSel	ABBIED600_Rev2_ENG_SP_VResSigSel_e	Selection for used Uo signal	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.38 3.2.38 LN: MFADPSDE1 Name: PSDE (ED2,ED1)

Related LN(s): LD0.MFADPSDE1.LN type: MFADPSDE1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
GndStr	ABBIED600_Rev3_ASG_SG_i	Voltage start value		
StrDlTmms	ABBIED600_Rev1_ING_SP_1	Start delay time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod	Directional Mode		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
RsDlTmms	ABBIED600_Rev1_ING_SP_1_e	Reset Delay Time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ItmEFInd	ABBIED600_Rev1_SPS_e	Intermittent earth-fault indication	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
InhEF	ABBIED600_Rev1_SPS_e	Block EF	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PkInd	ABBIED600_Rev1_SPS_e	Current transient detection indication	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TrgSt	ABBIED600_Rev1_SPS_simple_e	Signal indicating function triggering	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

PkCntLim	ABBIED600_Rev1_ING_SP_1_e	Min requirement for peak counter before start in IEF mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpModTEF	ABBIED600_Rev3_ENG_SP_OpModTEF_e	Operation mode for function	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AResSigSel	ABBIED600_Rev2_ENG_SP_AResSigSel_e	Selection for used Io signal	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VResSigSel	ABBIED600_Rev2_ENG_SP_VResSigSel_e	Selection for used Uo signal	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.39 3.2.39 LN: MFADRDIR1 Name: RDIR (ED2,ED1)

Related LN(s): LD0.MFADRDIR1.LN type: MFADRDIR1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Dir	ABBIED600_Rev1_ACD_simple	Direction		
BlkValA	ABBIED600_Rev3_ASG_SG_i	Minimum operating current		
RevPol	ABBIED600_Rev1_SPG_SP_e	Rotate polarizing quantity	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpPolAng	ABBIED600_Rev3_MV_simple_i_e	Angle between polarizing and	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

		operating quantity		
TiltAng	ABBIED600_Rev3_ASG_SG_i_e	Characteristic tilt angle	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpQtySel	ABBIED600_Rev1_ENG_SP_OpQtySel_e	Operating quantity selection: resistive, amplitude	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
DirRs	ABBIED600_Rev1_SPC_simple_e	Direction calculation reset	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.40 3.2.40 LN: PDNSPTOC1 Name: PTOC (ED2,ED1)

Related LN(s): LD0.PDNSPTOC1.LN type: PDNSPTOC1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
ImbNgA	ABBIED600_Rev3_MV_simple_i_e	Measured current ratio I2 / I1	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
MinPhA	ABBIED600_Rev3_ASG_SP_i_e	Minimum phase current	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.41 3.2.41 LN: ROVPTOV1 Name: PTOV (ED2,ED1)

Related LN(s): LD0.ROVPTOV1.LN type: ROVPTOV1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
StrVal	ABBIED600_Rev3_ASG_SG_i	Residual Over Voltage start value		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VResSigSel	ABBIED600_Rev2_ENG_SP_VResSigSel_e	Selection for used Uo signal	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.42 3.2.42 LN: PHPTUV1 Name: PTUV (ED2,ED1)

Related LN(s): LD0.PHPTUV1.LN type: PHPTUV1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
TmVCrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv_e	Type of Reset Curve	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
BlkVal	ABBIED600_Rev3_ASG_SP_i_e	Voltage block value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
NumPh	ABBIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start	E	dataNs: REx615

		time / operate time		MICS:2014>IEC 61850-7-4:2003
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
CrvSatRl	ABBIED600_Rev1_ASG_SP_f_e	Tuning parameter to avoid curve discontinuities	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VSel	ABBIED600_Rev3_ENG_SP_VSel_e	Parameter to select phase or phase-to-phase voltages	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
EnaBlkVal	ABBIED600_Rev1_SPG_SP_e	Enable block value	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
HysRl	ABBIED600_Rev3_ASG_SP_i_e	Relative hysteresis for operation	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TypTmRs	ABBIED600_Rev2_ENG_SG_TypTmRs_e	Type of time reset	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.43 3.2.43 LN: PHPTOV1 Name: PTOV (ED2,ED1)

Related LN(s): LD0.PHPTOV1.LN type: PHPTOV1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		

TmVCrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv_e	Type of Reset Curve	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
NumPh	ABBIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CrvSatRl	ABBIED600_Rev1_ASG_SP_f_e	Tuning parameter to avoid curve discontinuities	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VSel	ABBIED600_Rev3_ENG_SP_VSel_e	Parameter to select phase or phase-to-phase voltages	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
HysRl	ABBIED600_Rev3_ASG_SP_i_e	Relative hysteresis for operation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TypTmRs	ABBIED600_Rev2_ENG_SG_TypTmRs_e	Type of time reset	E	dataNs: REx615 MICS:2014>IEC

				61850-7-4:2003

5.1.44 3.2.44 LN: FRPTRC1 Name: PTRC (ED2,ED1)

Related LN(s): LD0.FRPTRC1.LN type: FRPTRC1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Op	ABBIED600_Rev1_ACT_simple	Operate		
Str	ABBIED600_Rev1_ACD_simple	Start		
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpModProHz	ABBIED600_Rev2_ENG_SG_OpModProHz_e	Operation mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.45 3.2.45 LN: FRPTOF1 Name: PTOF (ED2,ED1)

Related LN(s): LD0.FRPTOF1.LN type: FRPTOF1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start, overfrequency		

Op	ABBIED600_Rev1_ACT_simple	Operate, overfrequency		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time, overfrequency	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.46 3.2.46 LN: FRPTUF1 Name: PTUF (ED2,ED1)

Related LN(s): LD0.FRPTUF1.LN type: FRPTUF1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start, underfrequen-cy		
Op	ABBIED600_Rev1_ACT_simple	Operate, un-derfrequency		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time, un-derfrequency	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.47 3.2.47 LN: FRPFRC1 Name: PFRC (ED2,ED1)

Related LN(s): LD0.FRPFRC1.LN type: FRPFRC1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		

Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start, frequency gradient		
Op	ABBIED600_Rev1_ACT_simple	Operate, frequency gradient		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value df/dt		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time, frequency gradient	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.48 3.2.48 LN: T1PTTR1 Name: PTTR (ED2,ED1)

Related LN(s): LD0.T1PTTR1.LN type: T1PTTR1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Tmp	ABBIED600_Rev3_MV_simple_i	TEMP		
TmpRl	ABBIED600_Rev3_MV_simple_i	TEMP_RL		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
AlmThm	ABBIED600_Rev1_SPS	Thermal Alarm		
TmpMax	ABBIED600_Rev3_ASG_SG_i	Operate		

		level temperature		
ConsTms1	ABBIED600_Rev1_ING_SG	Time constant for thermal model		
AlmVal	ABBIED600_Rev3_ASG_SG_i	Alarm level temperature		
RsTmp	ABBIED600_Rev2_SPC_control_e	Reset temperature	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
InEnaMult	ABBIED600_Rev1_SPS_e	Enable multiplier for reference setting	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
BlkThm	ABBIED600_Rev1_SPS	Block reclose signal	E	
TmpUsed	ABBIED600_Rev3_MV_simple_i_e	The ambient temperature used in the calculation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TmpAmb	ABBIED600_Rev3_MV_simple_i_e	Ambient temperature	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpTm	ABBIED600_Rev3_INS_Unit_e	Estimated time to operate	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_INS_Unit
BlkThmRsTm	ABBIED600_Rev3_INS_Unit_e	Estimated time to deactivate BLK_CLOSE	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_INS_Unit

AMult	ABBIED600_Rev1_ING_SG_e	Current reference multiplier for thermal model	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ARef	ABBIED600_Rev3_ASG_SG_i_e	Current reference for thermal model	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
EnvTmpSet	ABBIED600_Rev3_ASG_SG_i_e	Ambient temperature	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
IniTmp	ABBIED600_Rev3_ASG_SP_i_e	Temperature calculation initial value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RecTmpSet	ABBIED600_Rev3_ASG_SG_i_e	Temperature for reset of BLK_CLOSE after operate	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TmpR	ABBIED600_Rev3_ASG_SG_i_e	Temperature rise	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.49 3.2.49 LN: CCBRBRF1 Name: RBRF (ED2,ED1)

Related LN(s): LD0.CCBRBRF1.LN type: CCBRBRF1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		

Str	ABBIED600_Rev1_ACD_simple	Delayed CB failure alarm		
OpEx	ABBIED600_Rev1_ACT_simple	Breaker failure trip (external trip)		
OpIn	ABBIED600_Rev1_ACT_simple	Operate, retrip (internal trip)		
FailMod	ABBIED600_Rev2_ENG_SP_FailMod	Breaker Failure Detection Mode (current, breaker status, both, other)		
FailTmms	ABBIED600_Rev1_ING_SP	Breaker Failure Time Delay for bus bar trip		
TPTrTmms	ABBIED600_Rev1_ING_SP_e	Three Pole Retrip Time Delay	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
DetValA	ABBIED600_Rev3_ASG_SP_i	Current Detector Value		
ReTrMod	ABBIED600_Rev2_ENG_SP_ReTrMod	Retrip Mode		
TrPlsTmms	ABBIED600_Rev1_ING_SP_e	Trip pulse time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
DetValARes	ABBIED600_Rev3_ASG_SP_i_e	Current Detector Value for residual current	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Measurement mode selection (current): 2= DFT; 3=	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

		Peak-to-Peak		
CBAlmTmms	ABBIED600_Rev1_ING_SP_e	Circuit breaker faulty alarm delay	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpExMod	ABBIED600_Rev2_ENG_SP_buTripMode_e	Select type of backup trip logic	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
InStr	ABBIED600_Rev1_SPS_e	CBFP start command	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
InPosCls	ABBIED600_Rev1_SPS_e	CB in closed poisition	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
InCBFlt	ABBIED600_Rev1_SPS_e	CB faulty and unable to trip	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrLtcMod	ABBIED600_Rev2_ENG_SP_StrLtcMod_e	Start reset de-layed or im-mediately	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.50 3.2.50 LN: INRPHAR1 Name: PHAR (ED2,ED1)

Related LN(s): LD0.INRPHAR1.LN type: INRPHAR1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_threephase	Start		
PhStr	ABBIED600_Rev3_ASG_SG_i	Start value		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay		

		Time		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.51 3.2.51 LN: TRPPTRC1 Name: PTRC (ED2,ED1)

Related LN(s): LD0.TRPPTRC1.LN type: TRPPTRC1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	BLOCK		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Tr	ABBIED600_Rev1_ACT_simple_dU	General trip output signal		
Op	ABBIED600_Rev1_ACT_simple_dU	Operate input signal		
TrPlsTmms	ABBIED600_Rev1_ING_SP_1	Minimum duration of trip output signal		
TrOutMod	ABBIED600_Rev2_ENG_SP_TrOutMod_e	Trip output mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
LORs	ABBIED600_Rev2_SPC_indications_e	RST_LKOUT	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TrRs	ABBIED600_Rev2_SPC_indications_e	Reset latched trip	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ClsLO	ABBIED600_Rev1_SPS_e	Circuit breaker lockout output (set until reset)	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.52 3.2.52 LN: TRPPTRC2 Name: PTRC (ED2,ED1)

Related LN(s): LD0.TRPPTRC2.LN type: TRPPTRC2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	BLOCK		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Tr	ABBIED600_Rev1_ACT_simple_dU	General trip output signal		
Op	ABBIED600_Rev1_ACT_simple_dU	Operate input signal		
TrPlsTmms	ABBIED600_Rev1_ING_SP_1	Minimum duration of trip output signal		
TrOutMod	ABBIED600_Rev2_ENG_SP_TrOutMod_e	Trip output mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
LORs	ABBIED600_Rev2_SPC_indications_e	RST_LKOUT	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TrRs	ABBIED600_Rev2_SPC_indications_e	Reset latched trip	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ClsLO	ABBIED600_Rev1_SPS_e	Circuit breaker lockout output (set until reset)	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.53 3.2.53 LN: MAPGAPC1 Name: GAPC (ED2,ED1)

Related LN(s): LD0.MAPGAPC1.LN type: MAPGAPC1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		

Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
OpDlTmms	ABBIED600_Rev1_ING_SG_e	Operate delay time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
RsDlTmms	ABBIED600_Rev1_ING_SP_e	Reset delay time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnIn	ABBIED600_Rev3_MV_2_e	Analogue input	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpModCom	ABBIED600_Rev2_ENG_SP_OpModComp_e	Operation mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
HysAbs	ABBIED600_Rev3_ASG_SP_i_e	Absolute hysteresis for operation	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrValAdd	ABBIED600_Rev3_ASG_SG_i_e	Start value Add	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
InEnaAdd	ABBIED600_Rev1_SPS_e	Enable start with added start value	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.54 3.2.54 LN: MAPGAPC2 Name: GAPC (ED2,ED1)

Related LN(s): LD0.MAPGAPC2.LN type: MAPGAPC2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
OpDlTmms	ABBIED600_Rev1_ING_SG_e	Operate delay time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RsDlTmms	ABBIED600_Rev1_ING_SP_e	Reset delay time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AnIn	ABBIED600_Rev3_MV_2_e	Analogue input	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpModCom	ABBIED600_Rev2_ENG_SP_OpModComp_e	Operation mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
HysAbs	ABBIED600_Rev3_ASG_SP_i_e	Absolute hysteresis for operation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

StrValAdd	ABBIED600_Rev3_ASG_SG_i_e	Start value Add	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
InEnaAdd	ABBIED600_Rev1_SPS_e	Enable start with added start value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.55 3.2.55 LN: LSHDPTRC1 Name: PTRC (ED2,ED1)

Related LN(s): LD0.LSHDPTRC1.LN type: LSHDPTRC1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Op	ABBIED600_Rev1_ACT_simple	Operate		
Str	ABBIED600_Rev1_ACD_simple	Start		
OpDlTmms	ABBIED600_Rev1_ING_SG	Time delay to restore		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
LodShdMod	ABBIED600_Rev2_ENG_SG_OpModProHz_e	Operation mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.56 3.2.56 LN: LSHDPTUF1 Name: PTUF (ED2,ED1)

Related LN(s): LD0.LSHDPTUF1.LN type: LSHDPTUF1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start, underfrequency		
Op	ABBIED600_Rev1_ACT_simple	Operate, underfrequency		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		

5.1.57 3.2.57 LN: LSHDPFRC1 Name: PFRC (ED2,ED1)

Related LN(s): LD0.LSHDPFRC1.LN type: LSHDPFRC1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start, frequency gradient		
Op	ABBIED600_Rev1_ACT_simple	Operate, frequency gradient		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value df/dt		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		

5.1.58 3.2.58 LN: LSHDPTOF1 Name: PTOF (ED2,ED1)

Related LN(s): LD0.LSHDPTOF1.LN type: LSHDPTOF1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		

Str	ABBIED600_Rev1_ACD_simple	Start of restore		
Op	ABBIED600_Rev1_ACT_simple	Restore the load		
StrVal	ABBIED600_Rev3_ASG_SG_i	Restore frequency		
ManRest	ABBIED600_Rev2_SPC_control_e	Manual restore command	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RestMod	ABBIED600_Rev2_ENG_SG_AutoManMod_e	Restore mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
BlkRest	ABBIED600_Rev2_SPC_control_e	Cancel restore	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.59 3.2.59 LN: SCEFRFLO1 Name: RFLO (ED2,ED1)

Related LN(s): LD0.SCEFRFLO1.LN type: SCEFRFLO1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
FltZ	ABBIED600_Rev3_CMV_S_1	Fault loop impedance		
FltDiskm	ABBIED600_Rev3_MV_simple_i	Fault distance		
FltLoop	ABBIED600_Rev5_ENS_FltLoop	Fault loop		
RcdBlk	ABBIED600_Rev1_SPS_simple_e	Signal for blocking the triggering	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Alm	ABBIED600_Rev1_SPS_e	Alarm	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TrgSt	ABBIED600_Rev1_SPS_e	Triggered	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

FltPtR	ABBIED600_Rev3_MV_simple_i_e	Fault point resistance	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
FltR	ABBIED600_Rev3_MV_simple_i_e	Fault loop resistance	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
FltX	ABBIED600_Rev3_MV_simple_i_e	Fault loop reactance	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PhReact	ABBIED600_Rev3_MV_simple_i_e	Fault phase reactance	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
RatFltALod	ABBIED600_Rev3_MV_simple_i_e	Fault to load current ratio	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
EqDisLod	ABBIED600_Rev3_MV_simple_i_e	Estimated equivalent load distance	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PhGndCapac	ABBIED600_Rev3_MV_simple_i_e	Estimated PE capacitive reactance of the line	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Trg	ABBIED600_Rev2_SPC_control_e	Triggering signal for distance calculation	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
TrgXC0F	ABBIED600_Rev2_SPC_control_e	Triggering signal for XC0F calculation	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
RcdRs	ABBIED600_Rev2_SPC_control_e	Recorded data reset	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
FltDisQ	ABBIED600_Rev1_INS_e	Fault distance quality	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ZMaxLod	ABBIED600_Rev3_ASG_SG_i_e	Maximum load impedance	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PhLeakRis	ABBIED600_Rev3_ASG_SG_i_e	Line PE leakage resistance	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PhLinCapac	ABBIED600_Rev3_ASG_SG_i_e	Line PE capaci-	E	dataNs	REx615

		tive reactance		MICS:2014>IEC 61850-7-4:2003
EqLodDis	ABBIED600_Rev3_ASG_SG_i_e	Equivalent load distance	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TrgMod	ABBIED600_Rev1_ENG_SP_TrgMod_e	Trigger mode for distance calculation	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
HiLimSpt	ABBIED600_Rev3_ASG_SG_i	High alarm limit	E	
LoLimSpt	ABBIED600_Rev3_ASG_SG_i	Low alarm limit	E	
EFAlgSel	ABBIED600_Rev2_ENG_SP_EFAlg_e	PE-loop calculation algorithm	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
EFAlgASel	ABBIED600_Rev2_ENG_SP_EFAlgASel_e	Earth fault current model	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
EnaLodComp	ABBIED600_Rev1_SPG_SP_e	Enable load compensation	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
SimpMod	ABBIED600_Rev1_SPG_SP_e	Enable simple model	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TestProRl	ABBIED600_Rev6_ENC_TestProRl_e	Test control for outputs	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
DisEstVa	ABBIED600_Rev3_ASG_SP_i_e	Allowed variation of short circuit distance estimate	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
PhVMeas	ABBIED600_Rev2_ENG_SP_PhVMeas_e	Phase voltage measurement principle	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.60 3.2.60 LN: FLO1RFRC1 Name: RFRC (ED2,ED1)

Related LN(s): LD0.FLO1RFRC1.LN type: FLO1RFRC1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks

Mod	ABBIED600_Rev1_ENC_Mod_On_e	Mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
Beh	ABBIED600_Rev4_ENS_beh_e	Behaviour	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_lnNs_1_e	Name plate	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
FltLoop	ABBIED600_Rev5_ENS_FltLoop_e	Fault loop	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
FltDiskm	ABBIED600_Rev3_MV_simple_i_e	Fault distance	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
FltPtR	ABBIED600_Rev3_MV_simple_i_e	Fault point resistance	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
FltDisQ	ABBIED600_Rev1_INS_e	Fault distance quality	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
FltR	ABBIED600_Rev3_MV_simple_i_e	Fault loop resistance	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
FltX	ABBIED600_Rev3_MV_simple_i_e	Fault loop reactance	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
PhReact	ABBIED600_Rev3_MV_simple_i_e	Fault phase reactance	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
RatFltALod	ABBIED600_Rev3_MV_simple_i_e	Fault to load current ratio	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
EqDisLod	ABBIED600_Rev3_MV_simple_i_e	Estimated equivalent load distance	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
PhGndCapac	ABBIED600_Rev3_MV_simple_i_e	Estimated PE capacitive reactance of the line	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
APreFltPhA	ABBIED600_Rev3_CMV_S_1_e	A Pre Flt Phs A	E	dataNs REx615 MICS:2014>IEC

					61850-7-4:2003
APreFltPhB	ABBIED600_Rev3_CMV_S_1_e	A Pre Flt Phs B	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
APreFltPhC	ABBIED600_Rev3_CMV_S_1_e	A Pre Flt Phs C	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
VPreFltPhA	ABBIED600_Rev3_CMV_S_1_e	V Pre Flt Phs A	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
VPreFltPhB	ABBIED600_Rev3_CMV_S_1_e	V Pre Flt Phs B	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
VPreFltPhC	ABBIED600_Rev3_CMV_S_1_e	V Pre Flt Phs C	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AFltPhA	ABBIED600_Rev3_CMV_S_1_e	A Flt Phs A	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AFltPhB	ABBIED600_Rev3_CMV_S_1_e	A Flt Phs B	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AFltPhC	ABBIED600_Rev3_CMV_S_1_e	A Flt Phs C	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
VFltPhA	ABBIED600_Rev3_CMV_S_1_e	V Flt Phs A	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
VFltPhB	ABBIED600_Rev3_CMV_S_1_e	V Flt Phs B	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
VFltPhC	ABBIED600_Rev3_CMV_S_1_e	V Flt Phs C	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.61 3.2.61 LN: SCEF1ZLIN1 Name: ZLIN (ED2,ED1)

Related LN(s): LD0.SCEF1ZLIN1.LN type: SCEF1ZLIN1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		

NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
LinLenkm	ABBIED600_Rev3_ASG_SG_i	Line section A length		
RPs	ABBIED600_Rev3_ASG_SG_i	Line section A PS resistance		
XPs	ABBIED600_Rev3_ASG_SG_i	Line section A PS reactance		
RZer	ABBIED600_Rev3_ASG_SG_i	Line section A ZS resistance		
XZer	ABBIED600_Rev3_ASG_SG_i	Line section A ZS reactance		

5.1.62 3.2.62 LN: SCEF2ZLIN1 Name: ZLIN (ED2,ED1)

Related LN(s): LD0.SCEF2ZLIN1.LN type: SCEF2ZLIN1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
LinLenkm	ABBIED600_Rev3_ASG_SG_i	Line section B length		
RPs	ABBIED600_Rev3_ASG_SG_i	Line section B PS resistance		
XPs	ABBIED600_Rev3_ASG_SG_i	Line section B PS reactance		
RZer	ABBIED600_Rev3_ASG_SG_i	Line section B ZS resistance		
XZer	ABBIED600_Rev3_ASG_SG_i	Line section B ZS reactance		

5.1.63 3.2.63 LN: SCEF3ZLIN1 Name: ZLIN (ED2,ED1)

Related LN(s): LD0.SCEF3ZLIN1.LN type: SCEF3ZLIN1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
LinLenkm	ABBIED600_Rev3_ASG_SG_i	Line section C length		
RPs	ABBIED600_Rev3_ASG_SG_i	Line section C PS resistance		
XPs	ABBIED600_Rev3_ASG_SG_i	Line section C PS reactance		
RZer	ABBIED600_Rev3_ASG_SG_i	Line section C ZS resistance		
XZer	ABBIED600_Rev3_ASG_SG_i	Line section C ZS reactance		

5.1.64 3.2.64 LN: DARREC1 Name: RREC (ED2,ED1)

Related LN(s): LD0.DARREC1.LN type: DARREC_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
OpCntRs	ABBIED600_Rev1_INC_simple_int_e	Resetable operation counter (all shots)	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RecCyc	ABBIED600_Rev1_INS	Actual reclose cycle (number between 1 and UseCyc)		
OpCls	ABBIED600_Rev1_ACT_threephase	Operate (close command to XCBR)		
AutoRecSt	ABBIED600_Rev3_ENS_AutoRecSt	Auto Reclosing Status		
Rec1Tmms1	ABBIED600_Rev1_ING_SP	First reclose time		
Rec1Tmms2	ABBIED600_Rev1_ING_SP	Second reclose time		
Rec1Tmms3	ABBIED600_Rev1_ING_SP	Third reclose time		
Rec1Tmms4	ABBIED600_Rev1_ING_SP	Fourth reclose time		
Rec1Tmms5	ABBIED600_Rev1_ING_SP	Fifth reclose time		
Rec1Tmms6	ABBIED600_Rev1_ING_SP	Sixth reclose time		
Rec1Tmms7	ABBIED600_Rev1_ING_SP	Seventh reclose time		

Rec3Tmms1	ABBIED600_Rev1_ING_SP	First reclose time		
Rec3Tmms2	ABBIED600_Rev1_ING_SP	Second reclose time		
Rec3Tmms3	ABBIED600_Rev1_ING_SP	Third reclose time		
Rec3Tmms4	ABBIED600_Rev1_ING_SP	Fourth reclose time		
Rec3Tmms5	ABBIED600_Rev1_ING_SP	Fifth reclose time		
Rec3Tmms6	ABBIED600_Rev1_ING_SP	Sixth reclose time		
Rec3Tmms7	ABBIED600_Rev1_ING_SP	Seventh reclose time		
RclTmms	ABBIED600_Rev1_ING_SP	Reclaim time		
OpOpn	ABBIED600_Rev1_ACT_threephase_e	Operate (open command to XCBR)	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
BlkRec	ABBIED600_Rev2_SPC_control_e	Block reclose	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RecCnt1	ABBIED600_Rev1_INS_e	Operation counter (1st shot)	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RecCnt2	ABBIED600_Rev1_INS_e	Operation counter (2nd shot)	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RecCnt3	ABBIED600_Rev1_INS_e	Operation counter (3rd shot)	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RecCnt4	ABBIED600_Rev1_INS_e	Operation counter (4th shot)	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RecCnt5	ABBIED600_Rev1_INS_e	Operation counter (5th	EE	dataNs: REx615 MICS:2014>IE

		shot)			C 61850-7-4:2003
AutoIni	ABBIED600_Rev1_ING_SP_1_e	Auto init	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
RecOp	ABBIED600_Rev2_ENG_SP_recOp_e	Reclosing operation	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ManClsMod	ABBIED600_Rev1_SPG_SP_e	Manual close mode	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
WtClsTmms	ABBIED600_Rev1_ING_SP_e	Wait close time	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
MaxWtTmms	ABBIED600_Rev1_ING_SP_e	Max wait time	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
MaxBlkTmms	ABBIED600_Rev1_ING_SP_e	Max Thm block time	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
CutOutTmms	ABBIED600_Rev1_ING_SP_e	Cut-out time	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
DsrTmms1	ABBIED600_Rev1_ING_SP_e	Dsr time shot 1	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
DsrTmms2	ABBIED600_Rev1_ING_SP_e	Dsr time shot 2	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
DsrTmms3	ABBIED600_Rev1_ING_SP_e	Dsr time shot 3	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
DsrTmms4	ABBIED600_Rev1_ING_SP_e	Dsr time shot 4	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

TermPrio	ABBIED600_Rev2_ENG_SP_termPrio_e	Terminal priority	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
SynSet	ABBIED600_Rev1_ING_SP_1_e	Synchronisation set	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AutoWtTmms	ABBIED600_Rev1_ING_SP_e	Auto wait time	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AutoLORs	ABBIED600_Rev1_SPG_SP_e	Auto lockout reset	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ProCrdLim	ABBIED600_Rev1_ING_SP_1_e	Protection crd limit	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ProCrdMod	ABBIED600_Rev2_ENG_SP_proCrdMod_e	Protection crd mode	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AutoIniCnd	ABBIED600_Rev2_ENG_SP_autoIniCnd_e	Auto initiation cnd	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
TrLin	ABBIED600_Rev1_ING_SP_1_e	Tripping line	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
CtlLin	ABBIED600_Rev1_ING_SP_1_e	Control line	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
EnaShotJmp	ABBIED600_Rev1_SPG_SP_e	Enable shot jump	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
CBClsPosSt	ABBIED600_Rev1_SPG_SP_e	CB closed Pos status	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Ena4DlSOF	ABBIED600_Rev1_SPG_SP_e	Fourth delay in SOTF	EE	dataNs	REx615 MICS:2014>IEC 61850-7-

					4:2003
IniSigCBB1	ABBIED600_Rev1_ING_SP_1_e	Init signals CBB1	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
IniSigCBB2	ABBIED600_Rev1_ING_SP_1_e	Init signals CBB2	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
IniSigCBB3	ABBIED600_Rev1_ING_SP_1_e	Init signals CBB3	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
IniSigCBB4	ABBIED600_Rev1_ING_SP_1_e	Init signals CBB4	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
IniSigCBB5	ABBIED600_Rev1_ING_SP_1_e	Init signals CBB5	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
IniSigCBB6	ABBIED600_Rev1_ING_SP_1_e	Init signals CBB6	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
IniSigCBB7	ABBIED600_Rev1_ING_SP_1_e	Init signals CBB7	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
BlkSigCBB1	ABBIED600_Rev1_ING_SP_1_e	Blk signals CBB1	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
BlkSigCBB2	ABBIED600_Rev1_ING_SP_1_e	Blk signals CBB2	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
BlkSigCBB3	ABBIED600_Rev1_ING_SP_1_e	Blk signals CBB3	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
BlkSigCBB4	ABBIED600_Rev1_ING_SP_1_e	Blk signals CBB4	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

BlkSigCBB5	ABBIED600_Rev1_ING_SP_1_e	Blk signals CBB5	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
BlkSigCBB6	ABBIED600_Rev1_ING_SP_1_e	Blk signals CBB6	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
BlkSigCBB7	ABBIED600_Rev1_ING_SP_1_e	Blk signals CBB7	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ShotNum1	ABBIED600_Rev1_ING_SP_1_e	Shot number CBB1	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ShotNum2	ABBIED600_Rev1_ING_SP_1_e	Shot number CBB2	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ShotNum3	ABBIED600_Rev1_ING_SP_1_e	Shot number CBB3	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ShotNum4	ABBIED600_Rev1_ING_SP_1_e	Shot number CBB4	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ShotNum5	ABBIED600_Rev1_ING_SP_1_e	Shot number CBB5	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ShotNum6	ABBIED600_Rev1_ING_SP_1_e	Shot number CBB6	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ShotNum7	ABBIED600_Rev1_ING_SP_1_e	Shot number CBB7	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Str2Tmms1	ABBIED600_Rev1_ING_SP_e	Str 2 delay shot 1	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Str2Tmms2	ABBIED600_Rev1_ING_SP_e	Str 2 delay shot 2	EE	dataNs	REx615 MICS:2014>IEC 61850-7-

					4:2003
Str2Tmms3	ABBIED600_Rev1_ING_SP_e	Str 2 delay shot 3	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Str2Tmms4	ABBIED600_Rev1_ING_SP_e	Str 2 delay shot 4	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Str3Tmms1	ABBIED600_Rev1_ING_SP_e	Str 3 delay shot 1	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Str3Tmms2	ABBIED600_Rev1_ING_SP_e	Str 3 delay shot 2	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Str3Tmms3	ABBIED600_Rev1_ING_SP_e	Str 3 delay shot 3	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Str3Tmms4	ABBIED600_Rev1_ING_SP_e	Str 3 delay shot 4	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Str4Tmms1	ABBIED600_Rev1_ING_SP_e	Str 4 delay shot 1	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Str4Tmms2	ABBIED600_Rev1_ING_SP_e	Str 4 delay shot 2	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Str4Tmms3	ABBIED600_Rev1_ING_SP_e	Str 4 delay shot 3	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Str4Tmms4	ABBIED600_Rev1_ING_SP_e	Str 4 delay shot 4	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
FrqCntLim	ABBIED600_Rev1_ING_SP_1_e	Frq Op counter limit	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

FrqCntTmm	ABBIED600_Rev1_ING_SP_1_e	Frq Op counter time	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
FrqRcvTmm	ABBIED600_Rev1_ING_SP_1_e	Frq Op recovery time	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PlsTmms	ABBIED600_Rev1_ING_SP_e	Close pulse time	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
MaxTrTmms	ABBIED600_Rev1_ING_SP_e	Max trip time	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InInhRec	ABBIED600_Rev1_SPS_e	Inhibit reclose (status)	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InBlkThm	ABBIED600_Rev1_SPS_e	Thermal block (status)	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
LO	ABBIED600_Rev1_SPS_e	Lockout status	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
RdyRec	ABBIED600_Rev1_SPS_e	Ready reclose status	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ActRec	ABBIED600_Rev1_SPS_e	Active reclose status	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
SucRec	ABBIED600_Rev1_SPS_e	Successful reclose status	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
UnsRec	ABBIED600_Rev1_SPS_e	Unsuccessful reclose status	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PrgRec	ABBIED600_Rev1_SPS_e	In progress status	EE	dataNs	REx615 MICS:2014>IEC 61850-7-

					4:2003
UnsCBCls	ABBIED600_Rev1_SPS_e	Unsuccessful CB closing status	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
WtMstr	ABBIED600_Rev1_SPS_e	Master signal to follower	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PrgRec1	ABBIED600_Rev1_SPS_e	In progress 1st reclose	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PrgRec2	ABBIED600_Rev1_SPS_e	In progress 2nd reclose	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PrgRec3	ABBIED600_Rev1_SPS_e	In progress 3rd reclose	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PrgRec4	ABBIED600_Rev1_SPS_e	In progress 4th reclose	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PrgRec5	ABBIED600_Rev1_SPS_e	In progress 5th reclose	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PrgDsr	ABBIED600_Rev1_SPS_e	Discrimination time in progress	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PrgCutOut	ABBIED600_Rev1_SPS_e	Cutout time in progress	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
FrqOpCnt	ABBIED600_Rev1_INS_e	Frequent operation counter	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
FrqOpAlm	ABBIED600_Rev1_SPS_e	Frequent operation counter alarm	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

RecRs	ABBIED600_Rev2_SPC_control_e	DARREC1 reset	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
CntRs	ABBIED600_Rev2_SPC_control_e	DARREC1 counters	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
DsaCnt	ABBIED600_Rev2_SPC_control_e	Signal for counter disa-bling	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
RclTmStr	ABBIED600_Rev1_SPS_e	Reclaim time started	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ProCrd	ABBIED600_Rev1_SPS_e	Protection co-ordination	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
CBManCls	ABBIED600_Rev1_SPS_e	CB manually closed	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AutoRecOn	ABBIED600_Rev1_SPS_e	AR switched On	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ShotPntr	ABBIED600_Rev1_INS_e	Shot pointer value	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InRecOn	ABBIED600_Rev1_SPS_e	AR on/off con-trol signal sta-tus	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InBlkRclTm	ABBIED600_Rev1_SPS_e	Block reclaim time	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InCBPos	ABBIED600_Rev1_SPS_e	CB position in-put	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InCBRdy	ABBIED600_Rev1_SPS_e	CB ready for reclosing	EE	dataNs	REx615 MICS:2014>IEC 61850-7-

					4:2003
InSynChk	ABBIED600_Rev1_SPS_e	Synchro check fulfilled	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InIncrPntr	ABBIED600_Rev1_SPS_e	Shot pointer increment by one	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InIni1	ABBIED600_Rev1_SPS_e	No 1 operate signal	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InIni2	ABBIED600_Rev1_SPS_e	No 2 operate signal	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InIni3	ABBIED600_Rev1_SPS_e	No 3 operate signal	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InIni4	ABBIED600_Rev1_SPS_e	No 4 operate signal	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InIni5	ABBIED600_Rev1_SPS_e	No 5 operate signal	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InIni6	ABBIED600_Rev1_SPS_e	No 6 operate signal	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InDlIni2	ABBIED600_Rev1_SPS_e	No 2 start signal	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InDlIni3	ABBIED600_Rev1_SPS_e	No 3 start signal	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InDlIni4	ABBIED600_Rev1_SPS_e	No 4 start signal	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

RclTmEla	ABBIED600_Rev1_SPS_e	Reclaim time elapsed	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
InBlkRecTm	ABBIED600_Rev1_SPS_e	Blocks and re-sets dead time	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
SOF	ABBIED600_Rev1_SPS_e	Switch on the fault	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TestCtl	ABBIED600_Rev5_ENC_TestCtl_e	Test control for outputs	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.65 3.2.65 LN: ATSABTC1 Name: ABTC (ED2,ED1)

Related LN(s): LD0.ATSABTC1.LN type: ATSABTC1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple_e	Block signal for all binary outputs	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpOpn1	ABBIED600_Rev1_ACT_simple_e	Circuit breaker open com-mand for bus 1	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpCls1	ABBIED600_Rev1_ACT_simple_e	Circuit breaker close com-mand for bus 1	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpOpn2	ABBIED600_Rev1_ACT_simple_e	Circuit breaker open com-mand for bus	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

		2		
OpCls2	ABBIED600_Rev1_ACT_simple_e	Circuit breaker close command for bus 2	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TrnBlkAlm	ABBIED600_Rev1_SPS_simple_e	Automatic transfer switch blocked alarm	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
PrgAuto	ABBIED600_Rev1_SPS_simple_e	In progress status	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
InVLo1	ABBIED600_Rev1_SPS_e	Transfer initiation based on under voltage on bus 1	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
InVLo2	ABBIED600_Rev1_SPS_e	Transfer initiation based on under voltage on bus 2	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TrDlTmms	ABBIED600_Rev1_ING_SP_e	Circuit breaker trip command delay	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
RecDlTmms	ABBIED600_Rev1_ING_SP_e	Automatic reconnection delay	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TrnDeaTmms	ABBIED600_Rev1_ING_SP_e	Transfer dead time for closing of circuit breaker	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
BusPrio	ABBIED600_Rev2_ENG_SP_busPrio_e	Main bus priority	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TestCtl	ABBIED600_Rev5_ENC_TestCtl_e	Test control for outputs	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.66 3.2.66 LN: SSCBR1 Name: SCBR (ED2,ED1)

Related LN(s): LD0.SSCBR1.LN type: SSCBR1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mod		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
ColOpn	ABBIED600_Rev1_SPS_simple	Open command of trip coil		
OpCntAlm	ABBIED600_Rev1_SPS	Number of CB operations exceeds alarm limit		
OpTmOpn	ABBIED600_Rev3_MV_simple_i	Travel time of the CB during opening operation		
OpTmCls	ABBIED600_Rev3_MV_simple_i	Travel time of the CB during closing operation		
OpTmAlm	ABBIED600_Rev1_SPS_simple	Switch operating time exceeded		
OpAlmNum	ABBIED600_Rev1_ING_SP_1	Setting of alarm for number of CB operations.		
OpCntRs	ABBIED600_Rev1_INC_simple_int	Number of CB operation cycle		
InPosOpn	ABBIED600_Rev1_SPS_e	POSOPEN	E	dataN REx615

				s	MICS:2014>IEC 61850-7-4:2003
InPosCls	ABBIED600_Rev1_SPS_e	POSCLOSE	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ColCls	ABBIED600_Rev1_SPS_simple_e	Close command status	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PosOpn	ABBIED600_Rev1_SPS_e	CB position is open	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PosIvd	ABBIED600_Rev1_SPS_e	INVALIDPOS	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PosCls	ABBIED600_Rev1_SPS_e	CB position is closed	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
OpnAlm	ABBIED600_Rev1_SPS_e	CB open travel time exceeded set value	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ClsAlm	ABBIED600_Rev1_SPS_e	CB close travel time exceeded set value	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
OpCntLO	ABBIED600_Rev1_SPS_e	Number of CB operations exceeds lockout limit	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
LonTmAlm	ABBIED600_Rev1_SPS_e	CB 'not operated for long time' alarm	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
APwrAlm	ABBIED600_Rev1_SPS_e	Accumulated currents power	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

		(Iyt),exceeded alarm limit		
APwrLO	ABBIED600_Rev1_SPS_e	Accumulated currents power (Iyt),exceeded lockout limit	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RmnNumO-pAlm	ABBIED600_Rev1_SPS_e	Remaining life of CB exceeded alarm limit	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpnAlmTmms	ABBIED600_Rev1_ING_SP_1_e	Setting of alarm level for open travel time in ms	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CorOpnTmms	ABBIED600_Rev1_ING_SP_1_e	Correction factor for open travel time in ms	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ClsAlmTmms	ABBIED600_Rev1_ING_SP_1_e	Setting of alarm level for close travel time in ms	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CorClsTmms	ABBIED600_Rev1_ING_SP_1_e	Correction factor for CB close travel time in ms	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CorDifTmms	ABBIED600_Rev1_ING_SP_1_e	Corr. factor for time dif in aux. and main contacts open time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpLONum	ABBIED600_Rev1_ING_SP_1_e	Setting to	E	dataN: REx615

		block operation when number of operation is more.		s MICS:2014>IEC 61850-7-4:2003
OpNumRtg	ABBIED600_Rev1_ING_SP_1_e	Number of operations possible at rated current	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
NumOpAlmLev	ABBIED600_Rev1_ING_SP_1_e	Alarm level for CB remaining life	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpNumFlt	ABBIED600_Rev1_ING_SP_1_e	Number of operations possible at rated fault current	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
CntIniVal	ABBIED600_Rev1_ING_SP_1_e	The operation numbers counter initialization value	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
InaAlmTmd	ABBIED600_Rev1_ING_SP_1_e	Alarm limit value of the inactive days counter	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
IniInaTmd	ABBIED600_Rev1_ING_SP_1_e	Initial value of the inactive days counter	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
InaAlmTmh	ABBIED600_Rev1_ING_SP_1_e	Alarm time of the inactive days counter in hours	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
InaTmdCnt	ABBIED600_Rev1_INS_e	The number of days CB has been in-	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

		active		
RsAccmAPwr	ABBIED600_Rev2_SPC_control_e	Reset accumulation energy	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
RsCBWear	ABBIED600_Rev2_SPC_control_e	Reset input for CB remaining life and operation counter	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
RsTrvTm	ABBIED600_Rev2_SPC_control_e	SSCBR1 travel t	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TestSpvn	ABBIED600_Rev3_ENC_TestSpvn_e	Test control for outputs	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TrvClcMod	ABBIED600_Rev2_ENG_SP_TrvClcMod_e	Travel time calculation mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
DirCff	ABBIED600_Rev1_ASG_SP_f_e	Directional coefficient for CB life calculation	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
IniRmnNumOp	ABBIED600_Rev1_ASG_SP_f_e	Initial value for the CB remaining life estimates	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AlmAccmAPwr	ABBIED600_Rev3_ASG_SP_i_e	Setting of alarm level for accumulated currents power, lyt	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AccmStopA	ABBIED600_Rev3_ASG_SP_i_e	Setting of the RMS current below which engy acm stops	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

LOAccmAPwr	ABBIED600_Rev3_ASG_SP_i_e	Setting of lockout level for accumulated currents power, lyt	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AExpn	ABBIED600_Rev1_ASG_SP_f_e	Current exponent setting for energy calculation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AOpRtg	ABBIED600_Rev3_ASG_SP_i_e	Rated operating current of the breaker	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AFltRtg	ABBIED600_Rev3_ASG_SP_i_e	Rated fault current of the breaker	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
IniAccmAPwr	ABBIED600_Rev3_ASG_SP_i_e	Initial value for accumulation energy (lyt)	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.67 3.2.67 LN: SPH1SCBR1 Name: SCBR (ED2,ED1)

Related LN(s): LD0.SPH1SCBR1.LN type: SPH1SCBR1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_InNs_Ed2	Name plate		
ColOpn	ABBIED600_Rev1_SPS_simple	Open command of trip coil		
RmnNumOp	ABBIED600_Rev1_INS_d_e	CB Remaining life phase A	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AccmAPwr	ABBIED600_Rev3_MV_simple_i_e	Accumulated cur-	E	dataNs: REx615

		rents power (Iyt), phase A			MICS:2014>IEC 61850-7-4:2003

5.1.68 3.2.68 LN: SPH2SCBR1 Name: SCBR (ED2,ED1)

Related LN(s): LD0.SPH2SCBR1.LN type: SPH2SCBR1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks	
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode			
Beh	ABBIED600_Rev4_ENS_beh	Behaviour			
Health	ABBIED600_Rev4_ENS_health	Health			
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate			
ColOpn	ABBIED600_Rev1_SPS_simple	Open command of trip coil			
RmnNumOp	ABBIED600_Rev1_INS_d_e	CB Remaining life phase B	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AccmAPwr	ABBIED600_Rev3_MV_simple_i_e	Accumulated cur-rents power (Iyt), phase B	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.69 3.2.69 LN: SPH3SCBR1 Name: SCBR (ED2,ED1)

Related LN(s): LD0.SPH3SCBR1.LN type: SPH3SCBR1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks	
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode			
Beh	ABBIED600_Rev4_ENS_beh	Behaviour			
Health	ABBIED600_Rev4_ENS_health	Health			
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate			
ColOpn	ABBIED600_Rev1_SPS_simple	Open command of trip coil			
RmnNumOp	ABBIED600_Rev1_INS_d_e	CB Remaining life phase C	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AccmAPwr	ABBIED600_Rev3_MV_simple_i_e	Accumulated cur-rents power (Iyt),	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

		phase C		

5.1.70 3.2.70 LN: SSIMG1 Name: SIMG (ED2,ED1)

Related LN(s): LD0.SSIMG1.LN type: SSIMG1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
InsAlm	ABBIED600_Rev1_SPS	Pressure below alarm level		
InsBlk	ABBIED600_Rev1_SPS	Pressure below lockout level		
PresAlm	ABBIED600_Rev1_SPS	Binary pressure input for alarm		
PresBlk	ABBIED600_Rev1_SPS_e	Binary pressure input for lockout indication	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
InsAlmTmms	ABBIED600_Rev1_ING_SP_1_e	Time delay for gas pressure alarm.	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
InsBlkTmms	ABBIED600_Rev1_ING_SP_e	Time delay for gas pressure lockout.	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.71 3.2.71 LN: SSOPM1 Name: SOPM (ED2,ED1)

Related LN(s): LD0.SSOPM1.LN type: SSOPM1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
SprChaAlm	ABBIED600_Rev1_SPS_e	Spring charging	E	dataNs REx615

		time has crossed the set value			MICS:2014>IEC 61850-7-4:2003
SprChaStr	ABBIED600_Rev1_SPS_e	CB spring charging started input	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
SprChaStop	ABBIED600_Rev1_SPS_e	CB spring charged input	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
SprChaTmms	ABBIED600_Rev1_ING_SP_e	Setting of alarm for spring charging time of CB in ms.	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
TmsSprCha	ABBIED600_Rev3_MV_simple_i_e	The charging time of the CB spring	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
RsSprChaTm	ABBIED600_Rev2_SPC_control_e	SSCBR1 spr.charge t	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.72 3.2.72 LN: TCSSCBR1 Name: SCBR (ED2,ED1)

Related LN(s): LD0.TCSSCBR1.LN type: TCSSCBR1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
OpDlTmms	ABBIED600_Rev1_ING_SP_1_e	Operate Delay Time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
RsDlTmms	ABBIED600_Rev1_ING_SP_1_e	Reset Delay Time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
CircAlm	ABBIED600_Rev1_SPS_e	Alarm	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ColOpn	ABBIED600_Rev1_SPS_simple	Open command of trip coil		

5.1.73 3.2.73 LN: TCSSCBR2 Name: SCBR (ED2,ED1)

Related LN(s): LD0.TCSSCBR2.LN type: TCSSCBR2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_InNs_Ed2	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
OpDlTmms	ABBIED600_Rev1_ING_SP_1_e	Operate Delay Time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RsDlTmms	ABBIED600_Rev1_ING_SP_1_e	Reset Delay Time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CircAlm	ABBIED600_Rev1_SPS_e	Alarm	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ColOpn	ABBIED600_Rev1_SPS_simple	Open command of trip coil		

5.1.74 3.2.74 LN: SEQSPVC1 Name: SPVC (ED2,ED1)

Related LN(s): LD0.SEQSPVC1.LN type: SEQSPVC1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks

Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD_e	Mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Beh	ABBIED600_Rev4_ENS_beh_e	Behaviour	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_lnNs_1_e	Name plate	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Blk	ABBIED600_Rev1_SPS_simple_e	Block signal for all binary outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Str	ABBIED600_Rev1_ACD_simple_e	General start of function	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Str3Ph	ABBIED600_Rev1_ACD_simple	Three-phase start of function		
InPosCls	ABBIED600_Rev1_SPS	Active when circuit breaker is closed		
InDCPosOpn	ABBIED600_Rev1_SPS	Active when line disconnector is open		
InMCBPsOpn	ABBIED600_Rev1_SPS	Active when external MCB opens protected Volt. circuit		
BlkValA	ABBIED600_Rev3_ASG_SP_i_e	Minimum operate level of phase current for delta calculation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
NgSeqLevA	ABBIED600_Rev3_ASG_SP_i	Operate level of neg seq undercurrent		

		element		
ChgRteA	ABBIED600_Rev3_ASG_SP_i	Operate level of change in phase current		
ChgRteEna	ABBIED600_Rev1_SPG_SP	Enabling operation of change based function		
ChgRteV	ABBIED600_Rev3_ASG_SP_i	Operate level of change in phase voltage		
EnaSealIn	ABBIED600_Rev1_SPG_SP	Enabling seal in functionality		
BlkValV	ABBIED600_Rev3_ASG_SP_i_e	Minimum operate level of phase voltage for delta calculation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
SealInV	ABBIED600_Rev3_ASG_SP_i	Operate level of seal-in phase voltage		
NgSeqLevV	ABBIED600_Rev3_ASG_SP_i	Operate level of neg seq overvoltage element		
TestSpvn	ABBIED600_Rev3_ENC_TestSpvn	SEQSPVC1		
DeaLinValA	ABBIED600_Rev3_ASG_SP_i	Operate level for open phase current detection		

5.1.75 3.2.75 LN: PHSVPR1 Name: SVPR (ED2,ED1)

Related LN(s): LD0.PHSVPR1.LN type: PHSVPR1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks

Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD_e	Mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
Beh	ABBIED600_Rev4_ENS_beh_e	Behaviour	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_lnNs_1_e	Name plate	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
Blk	ABBIED600_Rev1_SPS_simple_e	Block signal for all binary outputs	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
LivLinVal	ABBIED600_Rev3_ASG_SP_i_e	Voltage live value	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
DeaLinVal	ABBIED600_Rev3_ASG_SP_i_e	Voltage dead value	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TestSpvn	ABBIED600_Rev3_ENC_TestSpvn	Test control for outputs		
VLivTmms	ABBIED600_Rev1_ING_SP_1	Voltage live time		
VDeaTmms	ABBIED600_Rev1_ING_SP_1	Voltage dead time		
VSel	ABBIED600_Rev3_ENG_SP_VSel	Parameter to select phase or phase-to-phase voltages		
PhSpvn	ABBIED600_Rev2_ENG_SP_PhSv	Monitored phase		
NumPh	ABBIED600_Rev3_ENG_SP_StrPhSel	Number of phases required for live and dead voltage supervision		
VLiv	ABBIED600_Rev1_SPS_simple	Voltage live		

VLivPhsA	ABBIED600_Rev1_SPS_simple	Voltage live A or AB		
VLivPhsB	ABBIED600_Rev1_SPS_simple	Voltage live B or BC		
VLivPhsC	ABBIED600_Rev1_SPS_simple	Voltage live C or CA		
VDea	ABBIED600_Rev1_SPS_simple	Voltage dead		
VDeaPhsA	ABBIED600_Rev1_SPS_simple	Voltage dead A or AB		
VDeaPhsB	ABBIED600_Rev1_SPS_simple	Voltage dead B or BC		
VDeaPhsC	ABBIED600_Rev1_SPS_simple	Voltage dead C or CA		
HysRl	ABBIED600_Rev3_ASG_SP_i	Relative hysteresis for voltage supervision		

5.1.76 3.2.76 LN: CMMXU1 Name: MMXU (ED2,ED1)

Related LN(s): LD0.CMMXU1.LN type: CMMXU1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Operation		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
A	ABBIED600_Rev3_WYE_threephase_full_i	Phase currents		
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Selects used measurement mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
NumPh	ABBIED600_Rev3_ENG_SP_StrPhSel_e	Number of	E	dataNs: REx615 MICS:2014>IEC

		phases required by limit supervision			61850-7-4:2003
HiAlm	ABBIED600_Rev1_SPS_e	High alarm	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
HiWrn	ABBIED600_Rev1_SPS_e	High warning	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
LoWrn	ABBIED600_Rev1_SPS_e	Low warning	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
LoAlm	ABBIED600_Rev1_SPS_e	Low alarm	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
RcdRs	ABBIED600_Rev2_SPC_control_e	CMMXU1 demands	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.77 3.2.77 LN: CAVMMXU1 Name: MMXU (ED2,ED1)

Related LN(s): LD0.CAVMMXU1.LN type: CAVMMXU1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
A	ABBIED600_Rev3_WYE_threephase_simpler_i	Phase current		
ClcMth	ABBIED600_Rev3_ENG_SP_ClcMth	Calculation method of statistical data objects	E	
ClcMod	ABBIED600_Rev2_ENG_SP_ClcMod	Calculation mode	E	
ClcSrc	ABBIED600_Rev4_ORG_SP_1	Object reference to source logical node		

5.1.78 3.2.78 LN: CMAMMXU1 Name: MMXU (ED2,ED1)

Related LN(s): LD0.CMAMMXU1.LN type: CMAMMXU1_ED2.

Attribute	Attribute type	Explanation	M/O/E	Remarks

name				
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
A	ABBIED600_Rev3_WYE_threephase_simpler_i	Phase current		
ClcMth	ABBIED600_Rev3_ENG_SP_ClcMth	Calculation method of statistical data objects	E	
ClcMod	ABBIED600_Rev2_ENG_SP_ClcMod	Calculation mode	E	
ClcSrc	ABBIED600_Rev4_ORG_SP_1	Object reference to source logical node		

5.1.79 3.2.79 LN: CMIMMXU1 Name: MMXU (ED2,ED1)

Related LN(s): LD0.CMIMMXU1.LN type: CMIMMXU1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
A	ABBIED600_Rev3_WYE_threephase_simpler_i	Phase current		
ClcMth	ABBIED600_Rev3_ENG_SP_ClcMth	Calculation method of statistical data objects	E	
ClcMod	ABBIED600_Rev2_ENG_SP_ClcMod	Calculation mode	E	
ClcSrc	ABBIED600_Rev4_ORG_SP_1	Object reference to source logical node		

5.1.80 3.2.80 LN: CSMSQI1 Name: MSQI (ED2,ED1)

Related LN(s): LD0.CSMSQI1.LN type: CSMSQI1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		

Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
SeqA	ABBIED600_Rev3_SEQ_2	Positive, Negative and Zero Sequence Current		

5.1.81 3.2.81 LN: RESCMMXU1 Name: MMXU (ED2,ED1)

Related LN(s): LD0.RESCMMXU1.LN type: RESCMMXU1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Operation		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
A	ABBIED600_Rev3_WYE_res_full_i	Residual current		
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Selects used measurement mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
HiAlm	ABBIED600_Rev1_SPS_e	High alarm	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
HiWrn	ABBIED600_Rev1_SPS_e	High warning	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RcdRs	ABBIED600_Rev2_SPC_control_e	RESCMMXU1 demands	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.82 3.2.82 LN: RCAVMMXU1 Name: MMXU (ED2,ED1)

Related LN(s): LD0.RCAVMMXU1.LN type: RCAVMMXU1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		

Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
A	ABBIED600_Rev3_WYE_res_simpler_i	Residual current		
ClcMth	ABBIED600_Rev3_ENG_SP_ClcMth	Calculation method of statistical data objects	E	
ClcMod	ABBIED600_Rev2_ENG_SP_ClcMod	Calculation mode	E	
ClcSrc	ABBIED600_Rev4_ORG_SP_1	Object reference to source logical node		

5.1.83 3.2.83 LN: RCMAMMXU1 Name: MMXU (ED2,ED1)

Related LN(s): LD0.RCMAMMXU1.LN type: RCMAMMXU1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
A	ABBIED600_Rev3_WYE_res_simpler_i	residual current		
ClcMth	ABBIED600_Rev3_ENG_SP_ClcMth	Calculation method of statistical data objects	E	
ClcMod	ABBIED600_Rev2_ENG_SP_ClcMod	Calculation mode	E	
ClcSrc	ABBIED600_Rev4_ORG_SP_1	Object reference to source logical node		

5.1.84 3.2.84 LN: RCMIMMXU1 Name: MMXU (ED2,ED1)

Related LN(s): LD0.RCMIMMXU1.LN type: RCMIMMXU1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		

A	ABBIED600_Rev3_WYE_res_simpler_i	residual current		
ClcMth	ABBIED600_Rev3_ENG_SP_ClcMth	Calculation method of statistical data objects	E	
ClcMod	ABBIED600_Rev2_ENG_SP_ClcMod	Calculation mode	E	
ClcSrc	ABBIED600_Rev4_ORG_SP_1	Object reference to source logical node		

5.1.85 3.2.85 LN: VMMXU1 Name: MMXU (ED2,ED1)

Related LN(s): LD0.VMMXU1.LN type: VMMXU1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Operation		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
PPV	ABBIED600_Rev3_DEL_threephase_full_i	Phase to phase voltages		
PhV	ABBIED600_Rev3_WYE_4	Phase to ground voltag-es		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary out-puts	E	
VMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Selects used measurement mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
NumPh	ABBIED600_Rev3_ENG_SP_StrPhSel_e	Num of phases	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
HiAlm	ABBIED600_Rev1_SPS_e	High alarm	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
HiWrn	ABBIED600_Rev1_SPS_e	High warning	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
LoWrn	ABBIED600_Rev1_SPS_e	Low warning	E	dataNs: REx615

					MICS:2014>IEC 61850-7-4:2003
LoAlm	ABBIED600_Rev1_SPS_e	Low alarm	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.86 3.2.86 LN: VAVMMXU1 Name: MMXU (ED2,ED1)

Related LN(s): LD0.VAVMMXU1.LN type: VAVMMXU1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
PPV	ABBIED600_Rev3_DEL_5_simpler	Phase to phase voltages		
PhV	ABBIED600_Rev3_WYE_threephase_simpler_i	Phase to earth voltages		
ClcMth	ABBIED600_Rev3_ENG_SP_ClcMth	Calculation method	E	
ClcMod	ABBIED600_Rev2_ENG_SP_ClcMod	Calculation mode	E	
ClcSrc	ABBIED600_Rev4_ORG_SP_1	Calculation start		

5.1.87 3.2.87 LN: PEMMXU1 Name: MMXU (ED2,ED1)

Related LN(s): LD0.PEMMXU1.LN type: PEMMXU1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
TotW	ABBIED600_Rev4_MV_3	Total Active Power (Total P)		
TotVAr	ABBIED600_Rev4_MV_3	Total Reac-tive Power (Total Q)		
TotVA	ABBIED600_Rev4_MV_3	Total Appar-		

		ent Power (Total S)		
TotPF	ABBIED600_Rev4_MV_4	Average Power factor (Total PF)		
WhDir	ABBIED600_Rev2_ENG_SP_DirMod2_e	Active power Dir	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VArhDir	ABBIED600_Rev2_ENG_SP_DirMod2_e	Reactive power Dir	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RcdRs	ABBIED600_Rev2_SPC_control_e	PEMMXU1 demands	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PwrMeas-Mod	AB-BIED600_Rev3_ENG_SP_PwrMeasMod_e	Measure-ment mode for power calculation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.88 3.2.88 LN: PEMMTR1 Name: MMTR (ED2,ED1)

Related LN(s): LD0.PEMMTR1.LN type: PEMMTR1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
SupWh	ABBIED600_Rev4_BCR_2	EA_RV_ACM		
SupVArh	ABBIED600_Rev4_BCR_2	ER_RV_ACM		
DmdWh	ABBIED600_Rev4_BCR_2	EA_FWD_ACM		
DmdVArh	ABBIED600_Rev4_BCR_2	ER_FWD_ACM		
IniDmdWh	ABBIED600_Rev1_ING_SP_1_e	Preset Initial value for forward active energy	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

IniSupWh	ABBIED600_Rev1_ING_SP_1_e	Preset Initial value for reverse active energy	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
IniDmdVArh	ABBIED600_Rev1_ING_SP_1_e	Preset Initial value for forward reactive energy	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
IniSupVArh	ABBIED600_Rev1_ING_SP_1_e	Preset Initial value for reverse reactive energy	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
SupDmdRs	ABBIED600_Rev2_SPC_control_e	Reset of accumulated energy readings	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.89 3.2.89 LN: PEAVMMXU1 Name: MMXU (ED2,ED1)

Related LN(s): LD0.PEAVMMXU1.LN type: PEAVMMXU1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
TotW	ABBIED600_Rev3_MV_simple_i	Average active power		
TotVAr	ABBIED600_Rev3_MV_simple_i	Average reactive power		
TotVA	ABBIED600_Rev3_MV_simple_i	Average apparent power		
TotPF	ABBIED600_Rev3_MV_simple_i	Average power factor		
ClcMod	ABBIED600_Rev2_ENG_SP_ClcMod	Calculation mode	E	
ClcMth	ABBIED600_Rev3_ENG_SP_ClcMth	Calculation method of statistical data objects	E	
ClcSrc	ABBIED600_Rev4_ORG_SP_1	Object reference to source logical node		

5.1.90 3.2.90 LN: PEMAMMXU1 Name: MMXU (ED2,ED1)

Related LN(s): LD0.PEMAMMXU1.LN type: PEMAMMXU1_ED2.

Attribute	Attribute type	Explanation	M/O/E	Remarks

name				
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
TotW	ABBIED600_Rev3_MV_simple_i	Maximum active power		
TotVAr	ABBIED600_Rev3_MV_simple_i	Maximum reactive power		
TotVA	ABBIED600_Rev3_MV_simple_i	Maximum apparent power		
ClcMod	ABBIED600_Rev2_ENG_SP_ClcMod	Calculation mode	E	
ClcMth	ABBIED600_Rev3_ENG_SP_ClcMth	Calculation method of statistical data objects	E	
ClcSrc	ABBIED600_Rev4_ORG_SP_1	Object reference to source logical node		

5.1.91 3.2.91 LN: PEMIMMXU1 Name: MMXU (ED2,ED1)

Related LN(s): LD0.PEMIMMXU1.LN type: PEMIMMXU1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
TotW	ABBIED600_Rev3_MV_simple_i	Minimum active power		
TotVAr	ABBIED600_Rev3_MV_simple_i	Minimum reactive power		
TotVA	ABBIED600_Rev3_MV_simple_i	Minimum apparent power		
ClcMod	ABBIED600_Rev2_ENG_SP_ClcMod	Calculation mode	E	
ClcMth	ABBIED600_Rev3_ENG_SP_ClcMth	Calculation method of statistical data objects	E	
ClcSrc	ABBIED600_Rev4_ORG_SP_1	Object reference to source logical node		

5.1.92 3.2.92 LN: SPEMMXU1 Name: MMXU (ED2,ED1)

Related LN(s): LD0.SPEMMXU1.LN type: SPEMMXU1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
W	ABBIED600_Rev3_WYE_3_1	Phase active power (P)		
VAr	ABBIED600_Rev3_WYE_3_1	Phase reactive power (Q)		
VA	ABBIED600_Rev3_WYE_3_1	Phase apparent power (S)		
PF	ABBIED600_Rev3_WYE_3_1	Average power factor (PF)		
WhDir	ABBIED600_Rev2_ENG_SP_DirMod2_e	Active power direction	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VArhDir	ABBIED600_Rev2_ENG_SP_DirMod2_e	Reactive power direction	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
RcdRs	ABBIED600_Rev2_SPC_control_e	Demands	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.93 3.2.93 LN: SPE1MMTR1 Name: MMTR (ED2,ED1)

Related LN(s): LD0.SPE1MMTR1.LN type: SPE1MMTR1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
SupWh	ABBIED600_Rev4_BCR_2	SPE1MMTR1 real energy supply		
SupVArh	ABBIED600_Rev4_BCR_2	SPE1MMTR1 reactive energy supply		

DmdWh	ABBIED600_Rev4_BCR_2	SPE1MMTR1 real energy demand		
DmdVArh	ABBIED600_Rev4_BCR_2	SPE1MMTR1 reactive energy demand		
IniDmdWh	ABBIED600_Rev1_ING_SP_1_e	SPE1MMTR1 preset initial value for forward active energy	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
IniSupWh	ABBIED600_Rev1_ING_SP_1_e	SPE1MMTR1 preset initial value for reverse active energy	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
IniDmdVArh	ABBIED600_Rev1_ING_SP_1_e	SPE1MMTR1 preset initial value for forward reactive energy	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
IniSupVArh	ABBIED600_Rev1_ING_SP_1_e	SPE1MMTR1 preset initial value for reverse reactive energy	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
EnValRs	ABBIED600_Rev2_SPC_control_e	SPE1MMTR1 reset of accumulated energy readings	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.94 3.2.94 LN: SPE2MMTR1 Name: MMTR (ED2,ED1)

Related LN(s): LD0.SPE2MMTR1.LN type: SPE2MMTR1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
SupWh	ABBIED600_Rev4_BCR_2	SPE2MMTR1 real energy supply		
SupVArh	ABBIED600_Rev4_BCR_2	SPE2MMTR1 reactive energy supply		
DmdWh	ABBIED600_Rev4_BCR_2	SPE2MMTR1 real		

		energy demand		
DmdVArh	ABBIED600_Rev4_BCR_2	SPE2MMTR1 reactive energy demand		
IniDmdWh	ABBIED600_Rev1_ING_SP_1_e	SPE2MMTR1 preset initial value for forward active energy	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
IniSupWh	ABBIED600_Rev1_ING_SP_1_e	SPE2MMTR1 preset initial value for reverse active energy	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
IniDmdVArh	ABBIED600_Rev1_ING_SP_1_e	SPE2MMTR1 preset initial value for forward reactive energy	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
IniSupVArh	ABBIED600_Rev1_ING_SP_1_e	SPE2MMTR1 preset initial value for reverse reactive energy	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
EnValRs	ABBIED600_Rev2_SPC_control_e	SPE2MMTR1 reset of accumulated energy readings	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.95 3.2.95 LN: SPE3MMTR1 Name: MMTR (ED2,ED1)

Related LN(s): LD0.SPE3MMTR1.LN type: SPE3MMTR1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
SupWh	ABBIED600_Rev4_BCR_2	SPE3MMTR1 real energy supply		
SupVArh	ABBIED600_Rev4_BCR_2	SPE3MMTR1 reactive energy supply		
DmdWh	ABBIED600_Rev4_BCR_2	SPE3MMTR1 real energy demand		

DmdVArh	ABBIED600_Rev4_BCR_2	SPE3MMTR1 reactive energy demand		
IniDmdWh	ABBIED600_Rev1_ING_SP_1_e	SPE3MMTR1 preset initial value for forward active energy	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
IniSupWh	ABBIED600_Rev1_ING_SP_1_e	SPE3MMTR1 preset initial value for reverse active energy	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
IniDmdVArh	ABBIED600_Rev1_ING_SP_1_e	SPE3MMTR1 preset initial value for forward reactive energy	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
IniSupVArh	ABBIED600_Rev1_ING_SP_1_e	SPE3MMTR1 preset initial value for reverse reactive energy	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
EnValRs	ABBIED600_Rev2_SPC_control_e	SPE3MMTR1 reset of accumulated energy readings	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.96 3.2.96 LN: SPEAVMMXU1 Name: MMXU (ED2,ED1)

Related LN(s): LD0.SPEAVMMXU1.LN type: SPEAVMMXU1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
W	ABBIED600_Rev3_WYE_threephase_simple_i	Average active power		
VAr	ABBIED600_Rev3_WYE_threephase_simple_i	Average reactive power		
VA	ABBIED600_Rev3_WYE_threephase_simple_i	Average apparent power		
PF	ABBIED600_Rev3_WYE_threephase_simple_i	Average power factor		
ClcMth	ABBIED600_Rev3_ENG_SP_ClcMth	Calculation method of statistical data objects	E	

ClcMod	ABBIED600_Rev2_ENG_SP_ClcMod	Calculation mode	E	
ClcSrc	ABBIED600_Rev4_ORG_SP_1	Object reference to source logical node		

5.1.97 3.2.97 LN: SPEMAMMXU1 Name: MMXU (ED2,ED1)

Related LN(s): LD0.SPEMAMMXU1.LN type: SPEMAMMXU1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
W	ABBIED600_Rev3_WYE_threephase_simple_i	Maximum active power		
VAr	ABBIED600_Rev3_WYE_threephase_simple_i	Maximum reactive power		
VA	ABBIED600_Rev3_WYE_threephase_simple_i	Maximum apparent power		
ClcMth	ABBIED600_Rev3_ENG_SP_ClcMth	Calculation method of statistical data objects	E	
ClcMod	ABBIED600_Rev2_ENG_SP_ClcMod	Calculation mode	E	
ClcSrc	ABBIED600_Rev4_ORG_SP_1	Object reference to source logical node		

5.1.98 3.2.98 LN: SPEMIMMXU1 Name: MMXU (ED2,ED1)

Related LN(s): LD0.SPEMIMMXU1.LN type: SPEMIMMXU1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
W	ABBIED600_Rev3_WYE_threephase_simple_i	Minimum active power		
VAr	ABBIED600_Rev3_WYE_threephase_simple_i	Minimum reactive power		
VA	ABBIED600_Rev3_WYE_threephase_simple_i	Minimum apparent power		
ClcMth	ABBIED600_Rev3_ENG_SP_ClcMth	Calculation method of sta-	E	

		tistical data objects		
ClcMod	ABBIED600_Rev2_ENG_SP_ClcMod	Calculation mode	E	
ClcSrc	ABBIED600_Rev4_ORG_SP_1	Object reference to source logical node		

5.1.99 3.2.99 LN: FMMXU1 Name: MMXU (ED2,ED1)

Related LN(s): LD0.FMMXU1.LN type: FMMXU1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Operation		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Hz	ABBIED600_Rev4_MV_5	Frequency		
DefHzSel	ABBIED600_Rev1_ENG_SP_DefHzSel_e	Default frequency selection	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.100 3.2.100 LN: TPGAPC1 Name: GAPC (ED2,ED1)

Related LN(s): LD0.TPGAPC1.LN type: TPGAPC1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Str		
Op	ABBIED600_Rev1_ACT_simple	Op		
Ind1	ABBIED600_Rev1_SPS	IN1		
Ind2	ABBIED600_Rev1_SPS	IN2		
SPCSO1	ABBIED600_Rev1_SPC_simple	Q1		
SPCSO2	ABBIED600_Rev1_SPC_simple	Q2		

PlsTmms	ABBIED600_Rev1_ING_SP_1_e	Minimum pulse time	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.101 3.2.101 LN: TPGAPC2 Name: GAPC (ED2,ED1)

Related LN(s): LD0.TPGAPC2.LN type: TPGAPC2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Str		
Op	ABBIED600_Rev1_ACT_simple	Op		
Ind1	ABBIED600_Rev1_SPS	IN1		
Ind2	ABBIED600_Rev1_SPS	IN2		
SPCSO1	ABBIED600_Rev1_SPC_simple	Q1		
SPCSO2	ABBIED600_Rev1_SPC_simple	Q2		
PlsTmms	ABBIED600_Rev1_ING_SP_1_e	Minimum pulse time	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.102 3.2.102 LN: TPSGAPC1 Name: GAPC (ED2,ED1)

Related LN(s): LD0.TPSGAPC1.LN type: TPSGAPC1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Op		
Op	ABBIED600_Rev1_ACT_simple	Op		
Ind1	ABBIED600_Rev1_SPS	IN1		
Ind2	ABBIED600_Rev1_SPS	IN2		

SPCSO1	ABBIED600_Rev1_SPC_simple	Q1		
SPCSO2	ABBIED600_Rev1_SPC_simple	Q2		
PlsTms	ABBIED600_Rev1_ING_SP_1_e	Minimum pulse time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.103 3.2.103 LN: TPMGAPC1 Name: GAPC (ED2,ED1)

Related LN(s): LD0.TPMGAPC1.LN type: TPMGAPC1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Str		
Op	ABBIED600_Rev1_ACT_simple	Op		
Ind1	ABBIED600_Rev1_SPS	IN1		
Ind2	ABBIED600_Rev1_SPS	IN2		
SPCSO1	ABBIED600_Rev1_SPC_simple	Q1		
SPCSO2	ABBIED600_Rev1_SPC_simple	Q2		
PlsTmm	ABBIED600_Rev1_ING_SP_1_e	Minimum pulse time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.104 3.2.104 LN: PTGAPC1 Name: GAPC (ED2,ED1)

Related LN(s): LD0.PTGAPC1.LN type: PTGAPC1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		

Ind1	ABBIED600_Rev1_SPS	Input 1		
Ind2	ABBIED600_Rev1_SPS	Input 2		
Ind3	ABBIED600_Rev1_SPS	Input 3		
Ind4	ABBIED600_Rev1_SPS	Input 4		
Ind5	ABBIED600_Rev1_SPS	Input 5		
Ind6	ABBIED600_Rev1_SPS	Input 6		
Ind7	ABBIED600_Rev1_SPS	Input 7		
Ind8	ABBIED600_Rev1_SPS	Input 8		
SPCSO1	ABBIED600_Rev1_SPC_simple	Output 1		
SPCSO2	ABBIED600_Rev1_SPC_simple	Output 2		
SPCSO3	ABBIED600_Rev1_SPC_simple	Output 3		
SPCSO4	ABBIED600_Rev1_SPC_simple	Output 4		
SPCSO5	ABBIED600_Rev1_SPC_simple	Output 5		
SPCSO6	ABBIED600_Rev1_SPC_simple	Output 6		
SPCSO7	ABBIED600_Rev1_SPC_simple	Output 7		
SPCSO8	ABBIED600_Rev1_SPC_simple	Output 8		
PlsTmms1	ABBIED600_Rev1_ING_SP_e	Pulse time 1	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PlsTmms2	ABBIED600_Rev1_ING_SP_e	Pulse time 2	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PlsTmms3	ABBIED600_Rev1_ING_SP_e	Pulse time 3	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PlsTmms4	ABBIED600_Rev1_ING_SP_e	Pulse time 4	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PlsTmms5	ABBIED600_Rev1_ING_SP_e	Pulse time 5	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PlsTmms6	ABBIED600_Rev1_ING_SP_e	Pulse time 6	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PlsTmms7	ABBIED600_Rev1_ING_SP_e	Pulse time 7	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PlsTmms8	ABBIED600_Rev1_ING_SP_e	Pulse time 8	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.105 3.2.105 LN: PTGAPC2 Name: GAPC (ED2,ED1)

Related LN(s): LD0.PTGAPC2.LN type: PTGAPC2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
Ind1	ABBIED600_Rev1_SPS	Input 1		
Ind2	ABBIED600_Rev1_SPS	Input 2		
Ind3	ABBIED600_Rev1_SPS	Input 3		
Ind4	ABBIED600_Rev1_SPS	Input 4		
Ind5	ABBIED600_Rev1_SPS	Input 5		
Ind6	ABBIED600_Rev1_SPS	Input 6		
Ind7	ABBIED600_Rev1_SPS	Input 7		
Ind8	ABBIED600_Rev1_SPS	Input 8		
SPCSO1	ABBIED600_Rev1_SPC_simple	Output 1		
SPCSO2	ABBIED600_Rev1_SPC_simple	Output 2		
SPCSO3	ABBIED600_Rev1_SPC_simple	Output 3		
SPCSO4	ABBIED600_Rev1_SPC_simple	Output 4		
SPCSO5	ABBIED600_Rev1_SPC_simple	Output 5		
SPCSO6	ABBIED600_Rev1_SPC_simple	Output 6		
SPCSO7	ABBIED600_Rev1_SPC_simple	Output 7		
SPCSO8	ABBIED600_Rev1_SPC_simple	Output 8		
PlsTmms1	ABBIED600_Rev1_ING_SP_e	Pulse time 1	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PlsTmms2	ABBIED600_Rev1_ING_SP_e	Pulse time 2	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PlsTmms3	ABBIED600_Rev1_ING_SP_e	Pulse time 3	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

PlsTmms4	ABBIED600_Rev1_ING_SP_e	Pulse time 4	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PlsTmms5	ABBIED600_Rev1_ING_SP_e	Pulse time 5	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PlsTmms6	ABBIED600_Rev1_ING_SP_e	Pulse time 6	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PlsTmms7	ABBIED600_Rev1_ING_SP_e	Pulse time 7	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PlsTmms8	ABBIED600_Rev1_ING_SP_e	Pulse time 8	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.106 3.2.106 LN: TOFGAPC1 Name: GAPC (ED2,ED1)

Related LN(s): LD0.TOFGAPC1.LN type: TOFGAPC1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
Ind1	ABBIED600_Rev1_SPS	Input 1		
Ind2	ABBIED600_Rev1_SPS	Input 2		
Ind3	ABBIED600_Rev1_SPS	Input 3		
Ind4	ABBIED600_Rev1_SPS	Input 4		
Ind5	ABBIED600_Rev1_SPS	Input 5		
Ind6	ABBIED600_Rev1_SPS	Input 6		
Ind7	ABBIED600_Rev1_SPS	Input 7		
Ind8	ABBIED600_Rev1_SPS	Input 8		
SPCSO1	ABBIED600_Rev1_SPC_simple	Output 1		
SPCSO2	ABBIED600_Rev1_SPC_simple	Output 2		
SPCSO3	ABBIED600_Rev1_SPC_simple	Output 3		
SPCSO4	ABBIED600_Rev1_SPC_simple	Output 4		

SPCSO5	ABBIED600_Rev1_SPC_simple	Output 5		
SPCSO6	ABBIED600_Rev1_SPC_simple	Output 6		
SPCSO7	ABBIED600_Rev1_SPC_simple	Output 7		
SPCSO8	ABBIED600_Rev1_SPC_simple	Output 8		
OffDlTmms1	ABBIED600_Rev1_ING_SP_e	Off delay time 1	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OffDlTmms2	ABBIED600_Rev1_ING_SP_e	Off delay time 2	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OffDlTmms3	ABBIED600_Rev1_ING_SP_e	Off delay time 3	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OffDlTmms4	ABBIED600_Rev1_ING_SP_e	Off delay time 4	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OffDlTmms5	ABBIED600_Rev1_ING_SP_e	Off delay time 5	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OffDlTmms6	ABBIED600_Rev1_ING_SP_e	Off delay time 6	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OffDlTmms7	ABBIED600_Rev1_ING_SP_e	Off delay time 7	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OffDlTmms8	ABBIED600_Rev1_ING_SP_e	Off delay time 8	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.107 3.2.107 LN: TOFGAPC2 Name: GAPC (ED2,ED1)

Related LN(s): LD0.TOFGAPC2.LN type: TOFGAPC2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
Ind1	ABBIED600_Rev1_SPS	Input 1		
Ind2	ABBIED600_Rev1_SPS	Input 2		

Ind3	ABBIED600_Rev1_SPS	Input 3		
Ind4	ABBIED600_Rev1_SPS	Input 4		
Ind5	ABBIED600_Rev1_SPS	Input 5		
Ind6	ABBIED600_Rev1_SPS	Input 6		
Ind7	ABBIED600_Rev1_SPS	Input 7		
Ind8	ABBIED600_Rev1_SPS	Input 8		
SPCSO1	ABBIED600_Rev1_SPC_simple	Output 1		
SPCSO2	ABBIED600_Rev1_SPC_simple	Output 2		
SPCSO3	ABBIED600_Rev1_SPC_simple	Output 3		
SPCSO4	ABBIED600_Rev1_SPC_simple	Output 4		
SPCSO5	ABBIED600_Rev1_SPC_simple	Output 5		
SPCSO6	ABBIED600_Rev1_SPC_simple	Output 6		
SPCSO7	ABBIED600_Rev1_SPC_simple	Output 7		
SPCSO8	ABBIED600_Rev1_SPC_simple	Output 8		
OffDlTmms1	ABBIED600_Rev1_ING_SP_e	Off delay time 1	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OffDlTmms2	ABBIED600_Rev1_ING_SP_e	Off delay time 2	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OffDlTmms3	ABBIED600_Rev1_ING_SP_e	Off delay time 3	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OffDlTmms4	ABBIED600_Rev1_ING_SP_e	Off delay time 4	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OffDlTmms5	ABBIED600_Rev1_ING_SP_e	Off delay time 5	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OffDlTmms6	ABBIED600_Rev1_ING_SP_e	Off delay time 6	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OffDlTmms7	ABBIED600_Rev1_ING_SP_e	Off delay time 7	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OffDlTmms8	ABBIED600_Rev1_ING_SP_e	Off delay time 8	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.108 3.2.108 LN: TONGAPC1 Name: GAPC (ED2,ED1)

Related LN(s): LD0.TONGAPC1.LN type: TONGAPC1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
Ind1	ABBIED600_Rev1_SPS	IN1		
Ind2	ABBIED600_Rev1_SPS	IN2		
Ind3	ABBIED600_Rev1_SPS	IN3		
Ind4	ABBIED600_Rev1_SPS	IN4		
Ind5	ABBIED600_Rev1_SPS	IN5		
Ind6	ABBIED600_Rev1_SPS	IN6		
Ind7	ABBIED600_Rev1_SPS	IN7		
Ind8	ABBIED600_Rev1_SPS	IN8		
SPCSO1	ABBIED600_Rev1_SPC_simple	Q1		
SPCSO2	ABBIED600_Rev1_SPC_simple	Q2		
SPCSO3	ABBIED600_Rev1_SPC_simple	Q3		
SPCSO4	ABBIED600_Rev1_SPC_simple	Q4		
SPCSO5	ABBIED600_Rev1_SPC_simple	Q5		
SPCSO6	ABBIED600_Rev1_SPC_simple	Q6		
SPCSO7	ABBIED600_Rev1_SPC_simple	Q7		
SPCSO8	ABBIED600_Rev1_SPC_simple	Q8		
OnDlTmms1	ABBIED600_Rev1_ING_SP_e	On delay time 1	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OnDlTmms2	ABBIED600_Rev1_ING_SP_e	On delay time 2	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OnDlTmms3	ABBIED600_Rev1_ING_SP_e	On delay time 3	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OnDlTmms4	ABBIED600_Rev1_ING_SP_e	On delay time 4	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

OnDlTmms5	ABBIED600_Rev1_ING_SP_e	On delay time 5	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OnDlTmms6	ABBIED600_Rev1_ING_SP_e	On delay time 6	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OnDlTmms7	ABBIED600_Rev1_ING_SP_e	On delay time 7	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OnDlTmms8	ABBIED600_Rev1_ING_SP_e	On delay time 8	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.109 3.2.109 LN: TONGAPC2 Name: GAPC (ED2,ED1)

Related LN(s): LD0.TONGAPC2.LN type: TONGAPC2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
Ind1	ABBIED600_Rev1_SPS	IN1		
Ind2	ABBIED600_Rev1_SPS	IN2		
Ind3	ABBIED600_Rev1_SPS	IN3		
Ind4	ABBIED600_Rev1_SPS	IN4		
Ind5	ABBIED600_Rev1_SPS	IN5		
Ind6	ABBIED600_Rev1_SPS	IN6		
Ind7	ABBIED600_Rev1_SPS	IN7		
Ind8	ABBIED600_Rev1_SPS	IN8		
SPCSO1	ABBIED600_Rev1_SPC_simple	Q1		
SPCSO2	ABBIED600_Rev1_SPC_simple	Q2		
SPCSO3	ABBIED600_Rev1_SPC_simple	Q3		
SPCSO4	ABBIED600_Rev1_SPC_simple	Q4		
SPCSO5	ABBIED600_Rev1_SPC_simple	Q5		

SPCSO6	ABBIED600_Rev1_SPC_simple	Q6		
SPCSO7	ABBIED600_Rev1_SPC_simple	Q7		
SPCSO8	ABBIED600_Rev1_SPC_simple	Q8		
OnDlTmms1	ABBIED600_Rev1_ING_SP_e	On delay time 1	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OnDlTmms2	ABBIED600_Rev1_ING_SP_e	On delay time 2	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OnDlTmms3	ABBIED600_Rev1_ING_SP_e	On delay time 3	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OnDlTmms4	ABBIED600_Rev1_ING_SP_e	On delay time 4	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OnDlTmms5	ABBIED600_Rev1_ING_SP_e	On delay time 5	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OnDlTmms6	ABBIED600_Rev1_ING_SP_e	On delay time 6	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OnDlTmms7	ABBIED600_Rev1_ING_SP_e	On delay time 7	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OnDlTmms8	ABBIED600_Rev1_ING_SP_e	On delay time 8	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.110 3.2.110 LN: SRGAPC1 Name: GAPC (ED2,ED1)

Related LN(s): LD0.SRGAPC1.LN type: SRGAPC1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
Ind1	ABBIED600_Rev1_SPS	S1		
Ind2	ABBIED600_Rev1_SPS	S2		
Ind3	ABBIED600_Rev1_SPS	S3		

Ind4	ABBIED600_Rev1_SPS	S4		
Ind5	ABBIED600_Rev1_SPS	S5		
Ind6	ABBIED600_Rev1_SPS	S6		
Ind7	ABBIED600_Rev1_SPS	S7		
Ind8	ABBIED600_Rev1_SPS	S8		
SPCSO1	ABBIED600_Rev1_SPC_simple	Q1		
SPCSO2	ABBIED600_Rev1_SPC_simple	Q2		
SPCSO3	ABBIED600_Rev1_SPC_simple	Q3		
SPCSO4	ABBIED600_Rev1_SPC_simple	Q4		
SPCSO5	ABBIED600_Rev1_SPC_simple	Q5		
SPCSO6	ABBIED600_Rev1_SPC_simple	Q6		
SPCSO7	ABBIED600_Rev1_SPC_simple	Q7		
SPCSO8	ABBIED600_Rev1_SPC_simple	Q8		
Rs1	ABBIED600_Rev2_SPC_control_e	R1	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Rs2	ABBIED600_Rev2_SPC_control_e	R2	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Rs3	ABBIED600_Rev2_SPC_control_e	R3	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Rs4	ABBIED600_Rev2_SPC_control_e	R4	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Rs5	ABBIED600_Rev2_SPC_control_e	R5	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Rs6	ABBIED600_Rev2_SPC_control_e	R6	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Rs7	ABBIED600_Rev2_SPC_control_e	R7	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Rs8	ABBIED600_Rev2_SPC_control_e	R8	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.111 3.2.111 LN: SRGAPC2 Name: GAPC (ED2,ED1)

Related LN(s): LD0.SRGAPC2.LN type: SRGAPC2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		

Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
Ind1	ABBIED600_Rev1_SPS	S1		
Ind2	ABBIED600_Rev1_SPS	S2		
Ind3	ABBIED600_Rev1_SPS	S3		
Ind4	ABBIED600_Rev1_SPS	S4		
Ind5	ABBIED600_Rev1_SPS	S5		
Ind6	ABBIED600_Rev1_SPS	S6		
Ind7	ABBIED600_Rev1_SPS	S7		
Ind8	ABBIED600_Rev1_SPS	S8		
SPCSO1	ABBIED600_Rev1_SPC_simple	Q1		
SPCSO2	ABBIED600_Rev1_SPC_simple	Q2		
SPCSO3	ABBIED600_Rev1_SPC_simple	Q3		
SPCSO4	ABBIED600_Rev1_SPC_simple	Q4		
SPCSO5	ABBIED600_Rev1_SPC_simple	Q5		
SPCSO6	ABBIED600_Rev1_SPC_simple	Q6		
SPCSO7	ABBIED600_Rev1_SPC_simple	Q7		
SPCSO8	ABBIED600_Rev1_SPC_simple	Q8		
Rs1	ABBIED600_Rev2_SPC_control_e	R1	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Rs2	ABBIED600_Rev2_SPC_control_e	R2	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Rs3	ABBIED600_Rev2_SPC_control_e	R3	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Rs4	ABBIED600_Rev2_SPC_control_e	R4	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Rs5	ABBIED600_Rev2_SPC_control_e	R5	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Rs6	ABBIED600_Rev2_SPC_control_e	R6	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

Rs7	ABBIED600_Rev2_SPC_control_e	R7	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Rs8	ABBIED600_Rev2_SPC_control_e	R8	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.112 3.2.112 LN: MVGAPC1 Name: GAPC (ED2,ED1)

Related LN(s): LD0.MVGAPC1.LN type: MVGAPC1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
Ind1	ABBIED600_Rev1_SPS	IN1		
Ind2	ABBIED600_Rev1_SPS	IN2		
Ind3	ABBIED600_Rev1_SPS	IN3		
Ind4	ABBIED600_Rev1_SPS	IN4		
Ind5	ABBIED600_Rev1_SPS	IN5		
Ind6	ABBIED600_Rev1_SPS	IN6		
Ind7	ABBIED600_Rev1_SPS	IN7		
Ind8	ABBIED600_Rev1_SPS	IN8		
SPCSO1	ABBIED600_Rev1_SPC_simple	Q1		
SPCSO2	ABBIED600_Rev1_SPC_simple	Q2		
SPCSO3	ABBIED600_Rev1_SPC_simple	Q3		
SPCSO4	ABBIED600_Rev1_SPC_simple	Q4		
SPCSO5	ABBIED600_Rev1_SPC_simple	Q5		
SPCSO6	ABBIED600_Rev1_SPC_simple	Q6		
SPCSO7	ABBIED600_Rev1_SPC_simple	Q7		
SPCSO8	ABBIED600_Rev1_SPC_simple	Q8		

5.1.113 3.2.113 LN: MVGAPC2 Name: GAPC (ED2,ED1)

Related LN(s): LD0.MVGAPC2.LN type: MVGAPC2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
Ind1	ABBIED600_Rev1_SPS	IN1		
Ind2	ABBIED600_Rev1_SPS	IN2		
Ind3	ABBIED600_Rev1_SPS	IN3		
Ind4	ABBIED600_Rev1_SPS	IN4		
Ind5	ABBIED600_Rev1_SPS	IN5		
Ind6	ABBIED600_Rev1_SPS	IN6		
Ind7	ABBIED600_Rev1_SPS	IN7		
Ind8	ABBIED600_Rev1_SPS	IN8		
SPCSO1	ABBIED600_Rev1_SPC_simple	Q1		
SPCSO2	ABBIED600_Rev1_SPC_simple	Q2		
SPCSO3	ABBIED600_Rev1_SPC_simple	Q3		
SPCSO4	ABBIED600_Rev1_SPC_simple	Q4		
SPCSO5	ABBIED600_Rev1_SPC_simple	Q5		
SPCSO6	ABBIED600_Rev1_SPC_simple	Q6		
SPCSO7	ABBIED600_Rev1_SPC_simple	Q7		
SPCSO8	ABBIED600_Rev1_SPC_simple	Q8		

5.1.114 3.2.114 LN: MVGAPC3 Name: GAPC (ED2,ED1)

Related LN(s): LD0.MVGAPC3.LN type: MVGAPC3_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		

Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
Ind1	ABBIED600_Rev1_SPS	IN1		
Ind2	ABBIED600_Rev1_SPS	IN2		
Ind3	ABBIED600_Rev1_SPS	IN3		
Ind4	ABBIED600_Rev1_SPS	IN4		
Ind5	ABBIED600_Rev1_SPS	IN5		
Ind6	ABBIED600_Rev1_SPS	IN6		
Ind7	ABBIED600_Rev1_SPS	IN7		
Ind8	ABBIED600_Rev1_SPS	IN8		
SPCSO1	ABBIED600_Rev1_SPC_simple	Q1		
SPCSO2	ABBIED600_Rev1_SPC_simple	Q2		
SPCSO3	ABBIED600_Rev1_SPC_simple	Q3		
SPCSO4	ABBIED600_Rev1_SPC_simple	Q4		
SPCSO5	ABBIED600_Rev1_SPC_simple	Q5		
SPCSO6	ABBIED600_Rev1_SPC_simple	Q6		
SPCSO7	ABBIED600_Rev1_SPC_simple	Q7		
SPCSO8	ABBIED600_Rev1_SPC_simple	Q8		

5.1.115 3.2.115 LN: MVGAPC4 Name: GAPC (ED2,ED1)

Related LN(s): LD0.MVGAPC4.LN type: MVGAPC4_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
Ind1	ABBIED600_Rev1_SPS	IN1		

Ind2	ABBIED600_Rev1_SPS	IN2		
Ind3	ABBIED600_Rev1_SPS	IN3		
Ind4	ABBIED600_Rev1_SPS	IN4		
Ind5	ABBIED600_Rev1_SPS	IN5		
Ind6	ABBIED600_Rev1_SPS	IN6		
Ind7	ABBIED600_Rev1_SPS	IN7		
Ind8	ABBIED600_Rev1_SPS	IN8		
SPCSO1	ABBIED600_Rev1_SPC_simple	Q1		
SPCSO2	ABBIED600_Rev1_SPC_simple	Q2		
SPCSO3	ABBIED600_Rev1_SPC_simple	Q3		
SPCSO4	ABBIED600_Rev1_SPC_simple	Q4		
SPCSO5	ABBIED600_Rev1_SPC_simple	Q5		
SPCSO6	ABBIED600_Rev1_SPC_simple	Q6		
SPCSO7	ABBIED600_Rev1_SPC_simple	Q7		
SPCSO8	ABBIED600_Rev1_SPC_simple	Q8		

5.1.116 3.2.116 LN: MVGAPC5 Name: GAPC (ED2,ED1)

Related LN(s): LD0.MVGAPC5.LN type: MVGAPC5_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
Ind1	ABBIED600_Rev1_SPS	IN1		
Ind2	ABBIED600_Rev1_SPS	IN2		
Ind3	ABBIED600_Rev1_SPS	IN3		
Ind4	ABBIED600_Rev1_SPS	IN4		
Ind5	ABBIED600_Rev1_SPS	IN5		
Ind6	ABBIED600_Rev1_SPS	IN6		

Ind7	ABBIED600_Rev1_SPS	IN7		
Ind8	ABBIED600_Rev1_SPS	IN8		
SPCSO1	ABBIED600_Rev1_SPC_simple	Q1		
SPCSO2	ABBIED600_Rev1_SPC_simple	Q2		
SPCSO3	ABBIED600_Rev1_SPC_simple	Q3		
SPCSO4	ABBIED600_Rev1_SPC_simple	Q4		
SPCSO5	ABBIED600_Rev1_SPC_simple	Q5		
SPCSO6	ABBIED600_Rev1_SPC_simple	Q6		
SPCSO7	ABBIED600_Rev1_SPC_simple	Q7		
SPCSO8	ABBIED600_Rev1_SPC_simple	Q8		

5.1.117 3.2.117 LN: MVGAPC6 Name: GAPC (ED2,ED1)

Related LN(s): LD0.MVGAPC6.LN type: MVGAPC6_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
Ind1	ABBIED600_Rev1_SPS	IN1		
Ind2	ABBIED600_Rev1_SPS	IN2		
Ind3	ABBIED600_Rev1_SPS	IN3		
Ind4	ABBIED600_Rev1_SPS	IN4		
Ind5	ABBIED600_Rev1_SPS	IN5		
Ind6	ABBIED600_Rev1_SPS	IN6		
Ind7	ABBIED600_Rev1_SPS	IN7		
Ind8	ABBIED600_Rev1_SPS	IN8		
SPCSO1	ABBIED600_Rev1_SPC_simple	Q1		
SPCSO2	ABBIED600_Rev1_SPC_simple	Q2		
SPCSO3	ABBIED600_Rev1_SPC_simple	Q3		

SPCSO4	ABBIED600_Rev1_SPC_simple	Q4		
SPCSO5	ABBIED600_Rev1_SPC_simple	Q5		
SPCSO6	ABBIED600_Rev1_SPC_simple	Q6		
SPCSO7	ABBIED600_Rev1_SPC_simple	Q7		
SPCSO8	ABBIED600_Rev1_SPC_simple	Q8		

5.1.118 3.2.118 LN: MVGAPC7 Name: GAPC (ED2,ED1)

Related LN(s): LD0.MVGAPC7.LN type: MVGAPC7_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_InNs_Ed2	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
Ind1	ABBIED600_Rev1_SPS	IN1		
Ind2	ABBIED600_Rev1_SPS	IN2		
Ind3	ABBIED600_Rev1_SPS	IN3		
Ind4	ABBIED600_Rev1_SPS	IN4		
Ind5	ABBIED600_Rev1_SPS	IN5		
Ind6	ABBIED600_Rev1_SPS	IN6		
Ind7	ABBIED600_Rev1_SPS	IN7		
Ind8	ABBIED600_Rev1_SPS	IN8		
SPCSO1	ABBIED600_Rev1_SPC_simple	Q1		
SPCSO2	ABBIED600_Rev1_SPC_simple	Q2		
SPCSO3	ABBIED600_Rev1_SPC_simple	Q3		
SPCSO4	ABBIED600_Rev1_SPC_simple	Q4		
SPCSO5	ABBIED600_Rev1_SPC_simple	Q5		
SPCSO6	ABBIED600_Rev1_SPC_simple	Q6		
SPCSO7	ABBIED600_Rev1_SPC_simple	Q7		
SPCSO8	ABBIED600_Rev1_SPC_simple	Q8		

5.1.119 3.2.119 LN: MVGAPC8 Name: GAPC (ED2,ED1)

Related LN(s): LD0.MVGAPC8.LN type: MVGAPC8_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
Ind1	ABBIED600_Rev1_SPS	IN1		
Ind2	ABBIED600_Rev1_SPS	IN2		
Ind3	ABBIED600_Rev1_SPS	IN3		
Ind4	ABBIED600_Rev1_SPS	IN4		
Ind5	ABBIED600_Rev1_SPS	IN5		
Ind6	ABBIED600_Rev1_SPS	IN6		
Ind7	ABBIED600_Rev1_SPS	IN7		
Ind8	ABBIED600_Rev1_SPS	IN8		
SPCSO1	ABBIED600_Rev1_SPC_simple	Q1		
SPCSO2	ABBIED600_Rev1_SPC_simple	Q2		
SPCSO3	ABBIED600_Rev1_SPC_simple	Q3		
SPCSO4	ABBIED600_Rev1_SPC_simple	Q4		
SPCSO5	ABBIED600_Rev1_SPC_simple	Q5		
SPCSO6	ABBIED600_Rev1_SPC_simple	Q6		
SPCSO7	ABBIED600_Rev1_SPC_simple	Q7		
SPCSO8	ABBIED600_Rev1_SPC_simple	Q8		

5.1.120 3.2.120 LN: SPCGAPC1 Name: GAPC (ED2,ED1)

Related LN(s): LD0.SPCGAPC1.LN type: SPCGAPC1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		

Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Ind1	ABBIED600_Rev1_SPS	IN1		
Ind2	ABBIED600_Rev1_SPS	IN2		
Ind3	ABBIED600_Rev1_SPS	IN3		
Ind4	ABBIED600_Rev1_SPS	IN4		
Ind5	ABBIED600_Rev1_SPS	IN5		
Ind6	ABBIED600_Rev1_SPS	IN6		
Ind7	ABBIED600_Rev1_SPS	IN7		
Ind8	ABBIED600_Rev1_SPS	IN8		
Ind9	ABBIED600_Rev1_SPS	IN9		
Ind10	ABBIED600_Rev1_SPS	IN10		
Ind11	ABBIED600_Rev1_SPS	IN11		
Ind12	ABBIED600_Rev1_SPS	IN12		
Ind13	ABBIED600_Rev1_SPS	IN13		
Ind14	ABBIED600_Rev1_SPS	IN14		
Ind15	ABBIED600_Rev1_SPS	IN15		
Ind16	ABBIED600_Rev1_SPS	IN16		
SPCSO1	ABBIED600_Rev6_SPC_pulse	Output 1		
SPCSO2	ABBIED600_Rev6_SPC_pulse	Output 2		
SPCSO3	ABBIED600_Rev6_SPC_pulse	Output 3		
SPCSO4	ABBIED600_Rev6_SPC_pulse	Output 4		
SPCSO5	ABBIED600_Rev6_SPC_pulse	Output 5		
SPCSO6	ABBIED600_Rev6_SPC_pulse	Output 6		
SPCSO7	ABBIED600_Rev6_SPC_pulse	Output 7		
SPCSO8	ABBIED600_Rev6_SPC_pulse	Output 8		
SPCSO9	ABBIED600_Rev6_SPC_pulse	Output 9		
SPCSO10	ABBIED600_Rev6_SPC_pulse	Output 10		

SPCSO11	ABBIED600_Rev6_SPC_pulse	Output 11		
SPCSO12	ABBIED600_Rev6_SPC_pulse	Output 12		
SPCSO13	ABBIED600_Rev6_SPC_pulse	Output 13		
SPCSO14	ABBIED600_Rev6_SPC_pulse	Output 14		
SPCSO15	ABBIED600_Rev6_SPC_pulse	Output 15		
SPCSO16	ABBIED600_Rev6_SPC_pulse	Output 16		
LocRemRst	ABBIED600_Rev1_SPG_SP_e	Loc Rem restriction	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.121 3.2.121 LN: SPCGAPC2 Name: GAPC (ED2,ED1)

Related LN(s): LD0.SPCGAPC2.LN type: SPCGAPC2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Ind1	ABBIED600_Rev1_SPS	IN1		
Ind2	ABBIED600_Rev1_SPS	IN2		
Ind3	ABBIED600_Rev1_SPS	IN3		
Ind4	ABBIED600_Rev1_SPS	IN4		
Ind5	ABBIED600_Rev1_SPS	IN5		
Ind6	ABBIED600_Rev1_SPS	IN6		
Ind7	ABBIED600_Rev1_SPS	IN7		
Ind8	ABBIED600_Rev1_SPS	IN8		
Ind9	ABBIED600_Rev1_SPS	IN9		
Ind10	ABBIED600_Rev1_SPS	IN10		
Ind11	ABBIED600_Rev1_SPS	IN11		
Ind12	ABBIED600_Rev1_SPS	IN12		
Ind13	ABBIED600_Rev1_SPS	IN13		

Ind14	ABBIED600_Rev1_SPS	IN14		
Ind15	ABBIED600_Rev1_SPS	IN15		
Ind16	ABBIED600_Rev1_SPS	IN16		
SPCSO1	ABBIED600_Rev6_SPC_pulse	Output 1		
SPCSO2	ABBIED600_Rev6_SPC_pulse	Output 2		
SPCSO3	ABBIED600_Rev6_SPC_pulse	Output 3		
SPCSO4	ABBIED600_Rev6_SPC_pulse	Output 4		
SPCSO5	ABBIED600_Rev6_SPC_pulse	Output 5		
SPCSO6	ABBIED600_Rev6_SPC_pulse	Output 6		
SPCSO7	ABBIED600_Rev6_SPC_pulse	Output 7		
SPCSO8	ABBIED600_Rev6_SPC_pulse	Output 8		
SPCSO9	ABBIED600_Rev6_SPC_pulse	Output 9		
SPCSO10	ABBIED600_Rev6_SPC_pulse	Output 10		
SPCSO11	ABBIED600_Rev6_SPC_pulse	Output 11		
SPCSO12	ABBIED600_Rev6_SPC_pulse	Output 12		
SPCSO13	ABBIED600_Rev6_SPC_pulse	Output 13		
SPCSO14	ABBIED600_Rev6_SPC_pulse	Output 14		
SPCSO15	ABBIED600_Rev6_SPC_pulse	Output 15		
SPCSO16	ABBIED600_Rev6_SPC_pulse	Output 16		
LocRemRst	ABBIED600_Rev1_SPG_SP_e	Loc Rem re-striction	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.122 3.2.122 LN: SPCRGAPC1 Name: GAPC (ED2,ED1)

Related LN(s): LD0.SPCRGAPC1.LN type: SPCRGAPC1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		

SPCSO1	ABBIED600_Rev6_SPC_pulse	Output 1		
SPCSO2	ABBIED600_Rev6_SPC_pulse	Output 2		
SPCSO3	ABBIED600_Rev6_SPC_pulse	Output 3		
SPCSO4	ABBIED600_Rev6_SPC_pulse	Output 4		
SPCSO5	ABBIED600_Rev6_SPC_pulse	Output 5		
SPCSO6	ABBIED600_Rev6_SPC_pulse	Output 6		
SPCSO7	ABBIED600_Rev6_SPC_pulse	Output 7		
SPCSO8	ABBIED600_Rev6_SPC_pulse	Output 8		
SPCSO9	ABBIED600_Rev6_SPC_pulse	Output 9		
SPCSO10	ABBIED600_Rev6_SPC_pulse	Output 10		
SPCSO11	ABBIED600_Rev6_SPC_pulse	Output 11		
SPCSO12	ABBIED600_Rev6_SPC_pulse	Output 12		
SPCSO13	ABBIED600_Rev6_SPC_pulse	Output 13		
SPCSO14	ABBIED600_Rev6_SPC_pulse	Output 14		
SPCSO15	ABBIED600_Rev6_SPC_pulse	Output 15		
SPCSO16	ABBIED600_Rev6_SPC_pulse	Output 16		
LocRemRst	ABBIED600_Rev1_SPG_SP_e	Loc Rem re-striction	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.123 3.2.123 LN: SPCLGAPC1 Name: GAPC (ED2,ED1)

Related LN(s): LD0.SPCLGAPC1.LN type: SPCLGAPC1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
SPCSO1	ABBIED600_Rev6_SPC_pulse	Output 1		
SPCSO2	ABBIED600_Rev6_SPC_pulse	Output 2		
SPCSO3	ABBIED600_Rev6_SPC_pulse	Output 3		

SPCSO4	ABBIED600_Rev6_SPC_pulse	Output 4		
SPCSO5	ABBIED600_Rev6_SPC_pulse	Output 5		
SPCSO6	ABBIED600_Rev6_SPC_pulse	Output 6		
SPCSO7	ABBIED600_Rev6_SPC_pulse	Output 7		
SPCSO8	ABBIED600_Rev6_SPC_pulse	Output 8		
SPCSO9	ABBIED600_Rev6_SPC_pulse	Output 9		
SPCSO10	ABBIED600_Rev6_SPC_pulse	Output 10		
SPCSO11	ABBIED600_Rev6_SPC_pulse	Output 11		
SPCSO12	ABBIED600_Rev6_SPC_pulse	Output 12		
SPCSO13	ABBIED600_Rev6_SPC_pulse	Output 13		
SPCSO14	ABBIED600_Rev6_SPC_pulse	Output 14		
SPCSO15	ABBIED600_Rev6_SPC_pulse	Output 15		
SPCSO16	ABBIED600_Rev6_SPC_pulse	Output 16		
LocRemRst	ABBIED600_Rev1_SPG_SP_e	Loc Rem re-striction	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.124 3.2.124 LN: UDFCNT1 Name: FCNT (ED2,ED1)

Related LN(s): LD0.UDFCNT1.LN type: UDFCNT1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
CntLodVal	ABBIED600_Rev1_ING_SP_1_e	Preset counter value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CntVal	ABBIED600_Rev2_BCR_1	Output of counter value		
UpCntSt	ABBIED600_Rev1_SPS_e	Status output of up counting	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
DnCntSt	ABBIED600_Rev1_SPS_e	Status output of down	E	dataNs: REx615 MICS:2014>IEC

		counting			61850-7-4:2003
CntRs	ABBIED600_Rev2_SPC_control_e	Resets the counter value	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
LodCnt	ABBIED600_Rev2_SPC_control_e	Load the counter to preset value	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.125 3.2.125 LN: UDFCNT2 Name: FCNT (ED2,ED1)

Related LN(s): LD0.UDFCNT2.LN type: UDFCNT2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks	
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode			
Beh	ABBIED600_Rev4_ENS_beh	Behaviour			
Health	ABBIED600_Rev4_ENS_health	Health			
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate			
CntLodVal	ABBIED600_Rev1_ING_SP_1_e	Preset counter value	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
CntVal	ABBIED600_Rev2_BCR_1	Output of counter value			
UpCntSt	ABBIED600_Rev1_SPS_e	Status output of up counting	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
DnCntSt	ABBIED600_Rev1_SPS_e	Status output of down counting	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
CntRs	ABBIED600_Rev2_SPC_control_e	Resets the counter value	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
LodCnt	ABBIED600_Rev2_SPC_control_e	Load the counter to preset value	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.126 3.2.126 LN: UDFCNT3 Name: FCNT (ED2,ED1)

Related LN(s): LD0.UDFCNT3.LN type: UDFCNT3_ED2.

Attribute	Attribute type	Explanation	M/O/E	Remarks

name				
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
CntLodVal	ABBIED600_Rev1_ING_SP_1_e	Preset counter value	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
CntVal	ABBIED600_Rev2_BCR_1	Output of counter value		
UpCntSt	ABBIED600_Rev1_SPS_e	Status output of up counting	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
DnCntSt	ABBIED600_Rev1_SPS_e	Status output of down counting	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
CntRs	ABBIED600_Rev2_SPC_control_e	Resets the counter value	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
LodCnt	ABBIED600_Rev2_SPC_control_e	Load the counter to preset value	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.127 3.2.127 LN: SCA4GAPC1 Name: GAPC (ED2,ED1)

Related LN(s): LD0.SCA4GAPC1.LN type: SCA4GAPC1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
AnIn1	ABBIED600_Rev3_MV_2_e	Analog input 1	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

AnIn2	ABBIED600_Rev3_MV_2_e	Analog input 2	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AnIn3	ABBIED600_Rev3_MV_2_e	Analog input 3	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AnIn4	ABBIED600_Rev3_MV_2_e	Analog input 4	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut1	ABBIED600_Rev3_MV_2_e	Analog value 1 after scaling	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut2	ABBIED600_Rev3_MV_2_e	Analog value 2 after scaling	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut3	ABBIED600_Rev3_MV_2_e	Analog value 3 after scaling	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut4	ABBIED600_Rev3_MV_2_e	Analog value 4 after scaling	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn1	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 1	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn2	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 2	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn3	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 3	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn4	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 4	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.128 3.2.128 LN: SCA4GAPC2 Name: GAPC (ED2,ED1)

Related LN(s): LD0.SCA4GAPC2.LN type: SCA4GAPC2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		

NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
AnIn1	ABBIED600_Rev3_MV_2_e	Analog input 1	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnIn2	ABBIED600_Rev3_MV_2_e	Analog input 2	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnIn3	ABBIED600_Rev3_MV_2_e	Analog input 3	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnIn4	ABBIED600_Rev3_MV_2_e	Analog input 4	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut1	ABBIED600_Rev3_MV_2_e	Analog value 1 after scaling	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut2	ABBIED600_Rev3_MV_2_e	Analog value 2 after scaling	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut3	ABBIED600_Rev3_MV_2_e	Analog value 3 after scaling	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut4	ABBIED600_Rev3_MV_2_e	Analog value 4 after scaling	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn1	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 1	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn2	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 2	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn3	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 3	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn4	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 4	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.129 3.2.129 LN: SCA4GAPC3 Name: GAPC (ED2,ED1)

Related LN(s): LD0.SCA4GAPC3.LN type: SCA4GAPC3_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
AnIn1	ABBIED600_Rev3_MV_2_e	Analog input 1	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnIn2	ABBIED600_Rev3_MV_2_e	Analog input 2	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnIn3	ABBIED600_Rev3_MV_2_e	Analog input 3	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnIn4	ABBIED600_Rev3_MV_2_e	Analog input 4	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut1	ABBIED600_Rev3_MV_2_e	Analog value 1 after scaling	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut2	ABBIED600_Rev3_MV_2_e	Analog value 2 after scaling	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut3	ABBIED600_Rev3_MV_2_e	Analog value 3 after scaling	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut4	ABBIED600_Rev3_MV_2_e	Analog value 4 after scaling	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn1	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 1	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn2	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 2	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn3	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 3	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

ScaleAnIn4	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 4	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.130 3.2.130 LN: SCA4GAPC4 Name: GAPC (ED2,ED1)

Related LN(s): LD0.SCA4GAPC4.LN type: SCA4GAPC4_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
AnIn1	ABBIED600_Rev3_MV_2_e	Analog input 1	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnIn2	ABBIED600_Rev3_MV_2_e	Analog input 2	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnIn3	ABBIED600_Rev3_MV_2_e	Analog input 3	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnIn4	ABBIED600_Rev3_MV_2_e	Analog input 4	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut1	ABBIED600_Rev3_MV_2_e	Analog value 1 after scaling	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut2	ABBIED600_Rev3_MV_2_e	Analog value 2 after scaling	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut3	ABBIED600_Rev3_MV_2_e	Analog value 3 after scaling	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut4	ABBIED600_Rev3_MV_2_e	Analog value 4 after scaling	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn1	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for an-	E	dataNs REx615 MICS:2014>IEC

		alog input value 1			61850-7-4:2003
ScaleAnIn2	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 2	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn3	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 3	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn4	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 4	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.131 3.2.131 LN: SCA4GAPC5 Name: GAPC (ED2,ED1)

Related LN(s): LD0.SCA4GAPC5.LN type: SCA4GAPC5_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks	
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode			
Beh	ABBIED600_Rev4_ENS_beh	Behaviour			
Health	ABBIED600_Rev4_ENS_health	Health			
NamPlt	ABBIED600_Rev1_LPL_1	Name plate			
Str	ABBIED600_Rev1_ACD_simple	Start			
Op	ABBIED600_Rev1_ACT_simple	Operate			
AnIn1	ABBIED600_Rev3_MV_2_e	Analog input 1	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AnIn2	ABBIED600_Rev3_MV_2_e	Analog input 2	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AnIn3	ABBIED600_Rev3_MV_2_e	Analog input 3	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AnIn4	ABBIED600_Rev3_MV_2_e	Analog input 4	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut1	ABBIED600_Rev3_MV_2_e	Analog value 1 after scaling	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut2	ABBIED600_Rev3_MV_2_e	Analog value 2 after scaling	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

AnValOut3	ABBIED600_Rev3_MV_2_e	Analog value 3 after scaling	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut4	ABBIED600_Rev3_MV_2_e	Analog value 4 after scaling	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn1	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 1	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn2	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 2	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn3	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 3	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn4	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 4	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.132 3.2.132 LN: SCA4GAPC6 Name: GAPC (ED2,ED1)

Related LN(s): LD0.SCA4GAPC6.LN type: SCA4GAPC6_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
AnIn1	ABBIED600_Rev3_MV_2_e	Analog input 1	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnIn2	ABBIED600_Rev3_MV_2_e	Analog input 2	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnIn3	ABBIED600_Rev3_MV_2_e	Analog input 3	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnIn4	ABBIED600_Rev3_MV_2_e	Analog input 4	E	dataNs REx615 MICS:2014>IEC

					61850-7-4:2003
AnValOut1	ABBIED600_Rev3_MV_2_e	Analog value 1 after scaling	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut2	ABBIED600_Rev3_MV_2_e	Analog value 2 after scaling	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut3	ABBIED600_Rev3_MV_2_e	Analog value 3 after scaling	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut4	ABBIED600_Rev3_MV_2_e	Analog value 4 after scaling	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn1	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 1	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn2	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 2	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn3	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 3	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn4	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 4	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.133 3.2.133 LN: SCA4GAPC7 Name: GAPC (ED2,ED1)

Related LN(s): LD0.SCA4GAPC7.LN type: SCA4GAPC7_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
AnIn1	ABBIED600_Rev3_MV_2_e	Analog input 1	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

AnIn2	ABBIED600_Rev3_MV_2_e	Analog input 2	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AnIn3	ABBIED600_Rev3_MV_2_e	Analog input 3	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AnIn4	ABBIED600_Rev3_MV_2_e	Analog input 4	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut1	ABBIED600_Rev3_MV_2_e	Analog value 1 after scaling	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut2	ABBIED600_Rev3_MV_2_e	Analog value 2 after scaling	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut3	ABBIED600_Rev3_MV_2_e	Analog value 3 after scaling	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut4	ABBIED600_Rev3_MV_2_e	Analog value 4 after scaling	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn1	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 1	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn2	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 2	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn3	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 3	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn4	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 4	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.134 3.2.134 LN: SCA4GAPC8 Name: GAPC (ED2,ED1)

Related LN(s): LD0.SCA4GAPC8.LN type: SCA4GAPC8_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		

NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
AnIn1	ABBIED600_Rev3_MV_2_e	Analog input 1	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnIn2	ABBIED600_Rev3_MV_2_e	Analog input 2	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnIn3	ABBIED600_Rev3_MV_2_e	Analog input 3	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnIn4	ABBIED600_Rev3_MV_2_e	Analog input 4	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut1	ABBIED600_Rev3_MV_2_e	Analog value 1 after scaling	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut2	ABBIED600_Rev3_MV_2_e	Analog value 2 after scaling	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut3	ABBIED600_Rev3_MV_2_e	Analog value 3 after scaling	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut4	ABBIED600_Rev3_MV_2_e	Analog value 4 after scaling	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn1	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 1	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn2	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 2	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn3	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 3	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn4	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 4	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.135 3.2.135 LN: SCA4GAPC9 Name: GAPC (ED2,ED1)

Related LN(s): LD0.SCA4GAPC9.LN type: SCA4GAPC9_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
AnIn1	ABBIED600_Rev3_MV_2_e	Analog input 1	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnIn2	ABBIED600_Rev3_MV_2_e	Analog input 2	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnIn3	ABBIED600_Rev3_MV_2_e	Analog input 3	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnIn4	ABBIED600_Rev3_MV_2_e	Analog input 4	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut1	ABBIED600_Rev3_MV_2_e	Analog value 1 after scaling	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut2	ABBIED600_Rev3_MV_2_e	Analog value 2 after scaling	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut3	ABBIED600_Rev3_MV_2_e	Analog value 3 after scaling	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut4	ABBIED600_Rev3_MV_2_e	Analog value 4 after scaling	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn1	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 1	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn2	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 2	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn3	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 3	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

ScaleAnIn4	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 4	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.136 3.2.136 LN: SCA4GAPC10 Name: GAPC (ED2,ED1)

Related LN(s): LD0.SCA4GAPC10.LN type: SCA4GAPC10_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
AnIn1	ABBIED600_Rev3_MV_2_e	Analog input 1	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnIn2	ABBIED600_Rev3_MV_2_e	Analog input 2	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnIn3	ABBIED600_Rev3_MV_2_e	Analog input 3	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnIn4	ABBIED600_Rev3_MV_2_e	Analog input 4	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut1	ABBIED600_Rev3_MV_2_e	Analog value 1 after scaling	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut2	ABBIED600_Rev3_MV_2_e	Analog value 2 after scaling	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut3	ABBIED600_Rev3_MV_2_e	Analog value 3 after scaling	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut4	ABBIED600_Rev3_MV_2_e	Analog value 4 after scaling	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn1	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for an-	E	dataNs REx615 MICS:2014>IEC

		alog input value 1			61850-7-4:2003
ScaleAnIn2	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 2	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn3	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 3	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn4	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 4	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.137 3.2.137 LN: SCA4GAPC11 Name: GAPC (ED2,ED1)

Related LN(s): LD0.SCA4GAPC11.LN type: SCA4GAPC11_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks	
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode			
Beh	ABBIED600_Rev4_ENS_beh	Behaviour			
Health	ABBIED600_Rev4_ENS_health	Health			
NamPlt	ABBIED600_Rev1_LPL_1	Name plate			
Str	ABBIED600_Rev1_ACD_simple	Start			
Op	ABBIED600_Rev1_ACT_simple	Operate			
AnIn1	ABBIED600_Rev3_MV_2_e	Analog input 1	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AnIn2	ABBIED600_Rev3_MV_2_e	Analog input 2	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AnIn3	ABBIED600_Rev3_MV_2_e	Analog input 3	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AnIn4	ABBIED600_Rev3_MV_2_e	Analog input 4	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut1	ABBIED600_Rev3_MV_2_e	Analog value 1 after scaling	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut2	ABBIED600_Rev3_MV_2_e	Analog value 2 after scaling	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

AnValOut3	ABBIED600_Rev3_MV_2_e	Analog value 3 after scaling	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut4	ABBIED600_Rev3_MV_2_e	Analog value 4 after scaling	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn1	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 1	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn2	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 2	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn3	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 3	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn4	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 4	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.138 3.2.138 LN: SCA4GAPC12 Name: GAPC (ED2,ED1)

Related LN(s): LD0.SCA4GAPC12.LN type: SCA4GAPC12_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
AnIn1	ABBIED600_Rev3_MV_2_e	Analog input 1	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnIn2	ABBIED600_Rev3_MV_2_e	Analog input 2	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnIn3	ABBIED600_Rev3_MV_2_e	Analog input 3	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AnIn4	ABBIED600_Rev3_MV_2_e	Analog input 4	E	dataNs REx615 MICS:2014>IEC

					61850-7-4:2003
AnValOut1	ABBIED600_Rev3_MV_2_e	Analog value 1 after scaling	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut2	ABBIED600_Rev3_MV_2_e	Analog value 2 after scaling	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut3	ABBIED600_Rev3_MV_2_e	Analog value 3 after scaling	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AnValOut4	ABBIED600_Rev3_MV_2_e	Analog value 4 after scaling	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn1	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 1	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn2	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 2	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn3	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 3	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ScaleAnIn4	ABBIED600_Rev3_ASG_SP_i_e	Scale ratio for analog input value 4	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.139 3.2.139 LN: MVI4GAPC1 Name: GAPC (ED2,ED1)

Related LN(s): LD0.MVI4GAPC1.LN type: MVI4GAPC1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
ISCSO1	ABBIED600_Rev1_INC_simple_int	Integer output value 1		
ISCSO2	ABBIED600_Rev1_INC_simple_int	Integer output value 2		
ISCSO3	ABBIED600_Rev1_INC_simple_int	Integer output		

		value 3		
ISCSO4	ABBIED600_Rev1_INC_simple_int	Integer output value 4		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
IntIn1	ABBIED600_Rev1_INS_e	Integer input value 1	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
IntIn2	ABBIED600_Rev1_INS_e	Integer input value 2	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
IntIn3	ABBIED600_Rev1_INS_e	Integer input value 3	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
IntIn4	ABBIED600_Rev1_INS_e	Integer input value 4	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.140 3.2.140 LN: MVI4GAPC2 Name: GAPC (ED2,ED1)

Related LN(s): LD0.MVI4GAPC2.LN type: MVI4GAPC2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
ISCSO1	ABBIED600_Rev1_INC_simple_int	Integer output value 1		
ISCSO2	ABBIED600_Rev1_INC_simple_int	Integer output value 2		
ISCSO3	ABBIED600_Rev1_INC_simple_int	Integer output value 3		
ISCSO4	ABBIED600_Rev1_INC_simple_int	Integer output value 4		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
IntIn1	ABBIED600_Rev1_INS_e	Integer input value 1	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

IntIn2	ABBIED600_Rev1_INS_e	Integer input value 2	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
IntIn3	ABBIED600_Rev1_INS_e	Integer input value 3	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
IntIn4	ABBIED600_Rev1_INS_e	Integer input value 4	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.141 3.2.141 LN: FLTRFRC1 Name: RFRC (ED2,ED1)

Related LN(s): LD0.FLTRFRC1.LN type: FLTRFRC0_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD_e	Mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Beh	ABBIED600_Rev4_ENS_beh_e	Behaviour	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_lnNs_1_e	Name plate	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Hz	ABBIED600_Rev3_MV_simple_i_e	Frequency	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
FltPtR	ABBIED600_Rev3_MV_simple_i	Fault re-sistance		
PhReact	ABBIED600_Rev3_MV_simple_i	Fault phase reactance		
FltDiskm	ABBIED600_Rev3_MV_simple_i_e	Distance to fault meas-ured in pu	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpCnt	ABBIED600_Rev1_INS_e	time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

Blk	ABBIED600_Rev1_SPS_simple_e	Block signal for all binary outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
InOp	ABBIED600_Rev1_SPS	Operate input for triggering		
InStr	ABBIED600_Rev1_SPS	Start input for triggering		
RcdRs	ABBIED600_Rev2_SPC_control	Reset fault records		
SelRow	ABBIED600_Rev2_INC_all_rights	Select recording		
TrgSet	ABBIED600_Rev2_ENG_SP_TrgSet	Triggering mode		
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod	A measurement mode		
ProFcn	ABBIED600_RECRER61520_Rev34_ENS_ProFcn	Protection function		
StrDur	ABBIED600_Rev3_MV_2	Maximum start duration of all stages during the fault		
StrOpTm	ABBIED600_Rev3_MV_simple_i	Operate time		
ActSetGr	ABBIED600_Rev1_INC_simple_int	Active setting group		
ShotPntr	ABBIED600_Rev1_INS_d	Shot pointer		
Max50DifAA	ABBIED600_Rev3_MV_simple_i	Maximum differential current phase A		
Max50DifAB	ABBIED600_Rev3_MV_simple_i	Maximum differential current		

		phase B		
Max50DifAC	ABBIED600_Rev3_MV_simple_i	Maximum differential current phase C		
Max50RstAA	ABBIED600_Rev3_MV_simple_i	Maximum bias current phase A		
Max50RstAB	ABBIED600_Rev3_MV_simple_i	Maximum bias current phase B		
Max50RstAC	ABBIED600_Rev3_MV_simple_i	Maximum bias current phase C		
DifAPhsA	ABBIED600_Rev3_MV_simple_i	Differential current phase A		
DifAPhsB	ABBIED600_Rev3_MV_simple_i	Differential current phase B		
DifAPhsC	ABBIED600_Rev3_MV_simple_i	Differential current phase C		
RstAPhsA	ABBIED600_Rev3_MV_simple_i	Bias current phase A		
RstAPhsB	ABBIED600_Rev3_MV_simple_i	Bias current phase B		
RstAPhsC	ABBIED600_Rev3_MV_simple_i	Bias current phase C		
DifARes	ABBIED600_Rev3_MV_simple_i	Differential current re-sidual		
RstARes	ABBIED600_Rev3_MV_simple_i	Bias current residual		
Max50APhsA1	ABBIED600_Rev3_MV_simple_i	Maximum phase A cur-		

		rent		
Max50APhsB1	ABBIED600_Rev3_MV_simple_i	Maximum phase B current		
Max50APhsC1	ABBIED600_Rev3_MV_simple_i	Maximum phase C current		
Max50ARes1	ABBIED600_Rev3_MV_simple_i	Maximum residual current		
APhsA1	ABBIED600_Rev3_MV_simple_i	Phase A current		
APhsB1	ABBIED600_Rev3_MV_simple_i	Phase B current		
APhsC1	ABBIED600_Rev3_MV_simple_i	Phase C current		
ARes1	ABBIED600_Rev3_MV_simple_i	Residual current		
AResClc1	ABBIED600_Rev3_MV_simple_i	Calculated residual current		
APsSeq1	ABBIED600_Rev3_MV_simple_i	Positive sequence current		
ANgSeq1	ABBIED600_Rev3_MV_simple_i	Negative sequence current		
Max50APhsA2	ABBIED600_Rev3_MV_simple_i	Maximum phase A current (b)		
Max50APhsB2	ABBIED600_Rev3_MV_simple_i	Maximum phase B current (b)		
Max50APhsC2	ABBIED600_Rev3_MV_simple_i	Maximum phase C current (b)		

Max50ARes2	ABBIED600_Rev3_MV_simple_i	Maximum residual current (b)		
APhsA2	ABBIED600_Rev3_MV_simple_i	Phase A current (b)		
APhsB2	ABBIED600_Rev3_MV_simple_i	Phase B current (b)		
APhsC2	ABBIED600_Rev3_MV_simple_i	Phase C current (b)		
ARes2	ABBIED600_Rev3_MV_simple_i	Residual current (b)		
AResClc2	ABBIED600_Rev3_MV_simple_i	Calculated residual current (b)		
APsSeq2	ABBIED600_Rev3_MV_simple_i	Positive sequence current (b)		
ANgSeq2	ABBIED600_Rev3_MV_simple_i	Negative sequence current (b)		
Max50APhsA3	ABBIED600_Rev3_MV_simple_i	Maximum phase A current (c)		
Max50APhsB3	ABBIED600_Rev3_MV_simple_i	Maximum phase B current (c)		
Max50APhsC3	ABBIED600_Rev3_MV_simple_i	Maximum phase C current (c)		
Max50ARes3	ABBIED600_Rev3_MV_simple_i	Maximum residual current (c)		
APhsA3	ABBIED600_Rev3_MV_simple_i	Phase A current (c)		
APhsB3	ABBIED600_Rev3_MV_simple_i	Phase B current (c)		

APhsC3	ABBIED600_Rev3_MV_simple_i	Phase C current (c)		
ARes3	ABBIED600_Rev3_MV_simple_i	Residual current (c)		
AResClc3	ABBIED600_Rev3_MV_simple_i	Calculated residual current (c)		
APsSeq3	ABBIED600_Rev3_MV_simple_i	Positive sequence current (c)		
ANgSeq3	ABBIED600_Rev3_MV_simple_i	Negative sequence current (c)		
PhVPhsA1	ABBIED600_Rev3_MV_simple_i	Phase A voltage		
PhVPhsB1	ABBIED600_Rev3_MV_simple_i	Phase B voltage		
PhVPhsC1	ABBIED600_Rev3_MV_simple_i	Phase C voltage		
PPVPhsAB1	ABBIED600_Rev3_MV_simple_i	Phase A to phase B voltage		
PPVPhsBC1	ABBIED600_Rev3_MV_simple_i	Phase B to phase C voltage		
PPVPhsCA1	ABBIED600_Rev3_MV_simple_i	Phase C to phase A voltage		
VRes1	ABBIED600_Rev3_MV_simple_i	Residual voltage		
VZro1	ABBIED600_Rev3_MV_simple_i	Zero sequence voltage		
VPsSeq1	ABBIED600_Rev3_MV_simple_i	Positive sequence voltage		

VNgSeq1	ABBIED600_Rev3_MV_simple_i	Negative sequence voltage		
PhVPhsA2	ABBIED600_Rev3_MV_simple_i	Phase A voltage (b)		
PhVPhsB2	ABBIED600_Rev3_MV_simple_i	Phase B voltage (b)		
PhVPhsC2	ABBIED600_Rev3_MV_simple_i	Phase C voltage (b)		
PPVPhsAB2	ABBIED600_Rev3_MV_simple_i	Phase A to phase B voltage (b)		
PPVPhsBC2	ABBIED600_Rev3_MV_simple_i	Phase B to phase C voltage (b)		
PPVPhsCA2	ABBIED600_Rev3_MV_simple_i	Phase C to phase A voltage (b)		
VRes2	ABBIED600_Rev3_MV_simple_i	Residual voltage (b)		
VZro2	ABBIED600_Rev3_MV_simple_i	Zero sequence voltage (b)		
VPsSeq2	ABBIED600_Rev3_MV_simple_i	Positive sequence voltage (b)		
VNgSeq2	ABBIED600_Rev3_MV_simple_i	Negative sequence voltage (b)		
MaxTmpRl	ABBIED600_Rev3_MV_simple_i	PTTR thermal level		
AMaxNgPs	ABBIED600_Rev3_MV_simple_i	PDNSPTOC1 rat. I2/I1		
DifANAngVN1	ABBIED600_Rev3_MV_simple_i	Angle residual voltage - residual cur-		

		rent		
DifAAAngVBC1	ABBIED600_Rev3_MV_simple_i	Angle phase B to phase C voltage - phase A current		
DifA-BAngVCA1	ABBIED600_Rev3_MV_simple_i	Angle phase C to phase A voltage - phase B current		
DifA-CAngVAB1	ABBIED600_Rev3_MV_simple_i	Angle phase A to phase B voltage - phase C current		
DifANAngVN2	ABBIED600_Rev3_MV_simple_i	Angle residual voltage - residual current (b)		
DifAAAngVBC2	ABBIED600_Rev3_MV_simple_i	Angle phase B to phase C voltage - phase A current (b)		
DifA-BAngVCA2	ABBIED600_Rev3_MV_simple_i	Angle phase C to phase A voltage - phase B current (b)		
DifA-CAngVAB2	ABBIED600_Rev3_MV_simple_i	Angle phase A to phase B voltage - phase C current (b)		
HzRteChg	ABBIED600_Rev3_MV_simple_i	Frequency gradient		

CondNeut	ABBIED600_Rev3_MV_simple_i	Conduct-ance Yo		
SusNeut	ABBIED600_Rev3_MV_simple_i	Susceptance Yo		
PPLoopRis	ABBIED600_Rev3_MV_simple_i	Fault loop resistance		
PPLoopReact	ABBIED600_Rev3_MV_simple_i	Fault loop reactance		
InCBClr	ABBIED600_Rev1_SPS	Breaker open status		
CBClrTm	ABBIED600_Rev3_MV_simple_i	Breaker clear time		

5.1.142 3.2.142 LN: FKEY4GGIO1 Name: GGIO (ED2,ED1)

Related LN(s): LD0.FKEY4GGIO1.LN type: FKEY4GGIO1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Function key 1		
SPCSO2	ABBIED600_Rev1_SPC_simple_dU	Function key 2		
SPCSO3	ABBIED600_Rev1_SPC_simple_dU	Function key 3		
SPCSO4	ABBIED600_Rev1_SPC_simple_dU	Function key 4		
Ind1	ABBIED600_Rev1_SPS	LED 1		
Ind2	ABBIED600_Rev1_SPS	LED 2		
Ind3	ABBIED600_Rev1_SPS	LED 3		
Ind4	ABBIED600_Rev1_SPS	LED 4		
Ind5	ABBIED600_Rev2_SPS_dU	Function key		

		1 off text		
Ind6	ABBIED600_Rev2_SPS_dU	Function key 2 off text		
Ind7	ABBIED600_Rev2_SPS_dU	Function key 3 off text		
Ind8	ABBIED600_Rev2_SPS_dU	Function key 4 off text		
FKeyTxtEna	ABBIED600_Rev1_SPG_SP_e	Function key text enable	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.143 3.2.143 LN: DPSRDIR1 Name: RDIR (ED2,ED1)

Related LN(s): LD0.DPSRDIR1.LN type: DPSRDIR1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Dir	ABBIED600_Rev1_ACD_simple	Direction		
ChrAng	ABBIED600_Rev3_ASG_SG_i	Characteristic angle		
MinFwdAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in forward direction		
MinRvAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in reverse direction		
MaxFwdAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in forward direction		

MaxRvAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in reverse direction		
BlkValA	ABBIED600_Rev3_ASG_SP_i	Min operate current		
BlkValV	ABBIED600_Rev3_ASG_SP_i	Min operate voltage		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod_e	Directional Mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
RsDlTmms	ABBIED600_Rev1_ING_SP_1_e	Reset Delay Time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating angle and characteristic angle	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
RelDlTmms	ABBIED600_Rev1_ING_SG_e	Release Delay Time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.144 3.2.144 LN: DTMGAPC1 Name: GAPC (ED2,ED1)

Related LN(s): LD0.DTMGAPC1.LN type: DTMGAPC1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary out-		

		puts		
Op	ABBIED600_Rev1_ACT_simple	Operate		
Frz	ABBIED600_Rev1_SPS_simple_e	Freeze signal for binary output	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActEna1	ABBIED600_Rev1_SPG_SP_e	Activation / deactivation need on Monday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTm1	ABBIED600_Rev1_TSG_SP_setCal_hrmn_e	Activation time for Monday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OffDlTm1	ABBIED600_Rev4_ING_SP_Unit_e	Activation duration for Monday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_ING_SP_Unit
ActEna2	ABBIED600_Rev1_SPG_SP_e	Activation / deactivation need on Tuesday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTm2	ABBIED600_Rev1_TSG_SP_setCal_hrmn_e	Activation time for Tuesday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OffDlTm2	ABBIED600_Rev4_ING_SP_Unit_e	Activation duration for Tuesday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_ING_SP_Unit
ActEna3	ABBIED600_Rev1_SPG_SP_e	Activation / deactivation need on Wednesday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

ActTm3	AB-BIED600_Rev1_TSG_SP_setCal_hrmn_e	Activation time for Wednes-day	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OffDlTm3	ABBIED600_Rev4_ING_SP_Unit_e	Activation duration for Wednes-day	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdc-Name: AB-BIED600_ING_SP_Unit
ActEna4	ABBIED600_Rev1_SPG_SP_e	Activation / deactiva-tion need on Thurs-day	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTm4	AB-BIED600_Rev1_TSG_SP_setCal_hrmn_e	Activation time for Thursday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OffDlTm4	ABBIED600_Rev4_ING_SP_Unit_e	Activation duration for Thurs-day	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdc-Name: AB-BIED600_ING_SP_Unit
ActEna5	ABBIED600_Rev1_SPG_SP_e	Activation / deactiva-tion need on Friday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTm5	AB-BIED600_Rev1_TSG_SP_setCal_hrmn_e	Activation time for Friday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OffDlTm5	ABBIED600_Rev4_ING_SP_Unit_e	Activation duration for Friday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdc-Name: AB-BIED600_ING_SP_Unit
ActEna6	ABBIED600_Rev1_SPG_SP_e	Activation / deactiva-tion need	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

		on Saturday		
ActTm6	ABBIED600_Rev1_TSG_SP_setCal_hrmn_e	Activation time for Saturday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OffDlTm6	ABBIED600_Rev4_ING_SP_Unit_e	Activation duration for Saturday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_ING_SP_Unit
ActEna7	ABBIED600_Rev1_SPG_SP_e	Activation / deactivation need on Sunday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTm7	ABBIED600_Rev1_TSG_SP_setCal_hrmn_e	Activation time for Sunday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OffDlTm7	ABBIED600_Rev4_ING_SP_Unit_e	Activation duration for Sunday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_ING_SP_Unit
TestOth	ABBIED600_Rev1_ENC_TestOth_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTmh1	ABBIED600_Rev1_ING_SP_1_e	Activation hour time for Monday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTmh2	ABBIED600_Rev1_ING_SP_1_e	Activation hour time for Tuesday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTmh3	ABBIED600_Rev1_ING_SP_1_e	Activation hour time for Wednes-	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

		day		
ActTmh4	ABBIED600_Rev1_ING_SP_1_e	Activation hour time for Thursday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTmh5	ABBIED600_Rev1_ING_SP_1_e	Activation hour time for Friday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTmh6	ABBIED600_Rev1_ING_SP_1_e	Activation hour time for Saturday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTmh7	ABBIED600_Rev1_ING_SP_1_e	Activation hour time for Sunday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTmm1	ABBIED600_Rev1_ING_SP_1_e	Activation minute time for Monday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTmm2	ABBIED600_Rev1_ING_SP_1_e	Activation minute time for Tuesday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTmm3	ABBIED600_Rev1_ING_SP_1_e	Activation minute time for Wednesday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTmm4	ABBIED600_Rev1_ING_SP_1_e	Activation minute time for Thursday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTmm5	ABBIED600_Rev1_ING_SP_1_e	Activation minute time for Friday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

ActTmm6	ABBIED600_Rev1_ING_SP_1_e	Activation minute time for Saturday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTmm7	ABBIED600_Rev1_ING_SP_1_e	Activation minute time for Sunday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.145 3.2.145 LN: DTMGAPC2 Name: GAPC (ED2,ED1)

Related LN(s): LD0.DTMGAPC2.LN type: DTMGAPC2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Op	ABBIED600_Rev1_ACT_simple	Operate		
Frz	ABBIED600_Rev1_SPS_simple_e	Freeze signal for binary output	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActEna1	ABBIED600_Rev1_SPG_SP_e	Activation / deactivation need on Monday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTm1	ABBIED600_Rev1_TSG_SP_setCal_hrmn_e	Activation time for Monday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OffDlTm1	ABBIED600_Rev4_ING_SP_Unit_e	Activation duration	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

		for Monday		cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_ING_SP_Unit
ActEna2	ABBIED600_Rev1_SPG_SP_e	Activation / deactivation need on Tuesday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTm2	ABBIED600_Rev1_TSG_SP_setCal_hrmn_e	Activation time for Tuesday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OffDlTm2	ABBIED600_Rev4_ING_SP_Unit_e	Activation duration for Tuesday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_ING_SP_Unit
ActEna3	ABBIED600_Rev1_SPG_SP_e	Activation / deactivation need on Wednesday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTm3	ABBIED600_Rev1_TSG_SP_setCal_hrmn_e	Activation time for Wednesday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OffDlTm3	ABBIED600_Rev4_ING_SP_Unit_e	Activation duration for Wednesday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_ING_SP_Unit
ActEna4	ABBIED600_Rev1_SPG_SP_e	Activation / deactivation need on Thursday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTm4	ABBIED600_Rev1_TSG_SP_setCal_hrmn_e	Activation time for	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

		Thursday		
OffDlTm4	ABBIED600_Rev4_ING_SP_Unit_e	Activation duration for Thursday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_ING_SP_Unit
ActEna5	ABBIED600_Rev1_SPG_SP_e	Activation / deactivation need on Friday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTm5	ABBIED600_Rev1_TSG_SP_setCal_hrmn_e	Activation time for Friday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OffDlTm5	ABBIED600_Rev4_ING_SP_Unit_e	Activation duration for Friday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_ING_SP_Unit
ActEna6	ABBIED600_Rev1_SPG_SP_e	Activation / deactivation need on Saturday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTm6	ABBIED600_Rev1_TSG_SP_setCal_hrmn_e	Activation time for Saturday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OffDlTm6	ABBIED600_Rev4_ING_SP_Unit_e	Activation duration for Saturday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_ING_SP_Unit
ActEna7	ABBIED600_Rev1_SPG_SP_e	Activation / deactivation need on Sunday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTm7	ABBIED600_Rev1_TSG_SP_setCal_hrmn_e	Activation time for	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

		Sunday		
OffDlTm7	ABBIED600_Rev4_ING_SP_Unit_e	Activation duration for Sunday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdc-Name: AB-BIED600_ING_SP_Unit
TestOth	ABBIED600_Rev1_ENC_TestOth_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTmh1	ABBIED600_Rev1_ING_SP_1_e	Activation hour time for Monday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTmh2	ABBIED600_Rev1_ING_SP_1_e	Activation hour time for Tuesday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTmh3	ABBIED600_Rev1_ING_SP_1_e	Activation hour time for Wednesday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTmh4	ABBIED600_Rev1_ING_SP_1_e	Activation hour time for Thursday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTmh5	ABBIED600_Rev1_ING_SP_1_e	Activation hour time for Friday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTmh6	ABBIED600_Rev1_ING_SP_1_e	Activation hour time for Saturday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTmh7	ABBIED600_Rev1_ING_SP_1_e	Activation hour time for Sunday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

ActTmm 1	ABBIED600_Rev1_ING_SP_1_e	Activation minute time for Monday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTmm 2	ABBIED600_Rev1_ING_SP_1_e	Activation minute time for Tuesday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTmm 3	ABBIED600_Rev1_ING_SP_1_e	Activation minute time for Wednes-day	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTmm 4	ABBIED600_Rev1_ING_SP_1_e	Activation minute time for Thursday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTmm 5	ABBIED600_Rev1_ING_SP_1_e	Activation minute time for Friday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTmm 6	ABBIED600_Rev1_ING_SP_1_e	Activation minute time for Saturday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ActTmm 7	ABBIED600_Rev1_ING_SP_1_e	Activation minute time for Sunday	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.146 3.2.146 LN: PHIPTOC2 Name: PTOC (ED2,ED1)

Related LN(s): LD0.PHIPTOC2.LN type: PHIPTOC2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		

Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
InEnaMult	ABBIED600_Rev1_SPS_e	Enable signal for current multiplier	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
NumPh	ABBIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for scaling the start value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.147 3.2.147 LN: MFADPSDE2 Name: PSDE (ED2,ED1)

Related LN(s): LD0.MFADPSDE2.LN type: MFADPSDE2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		

Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
GndStr	ABBIED600_Rev3_ASG_SG_i	Voltage start value		
StrDlTmms	ABBIED600_Rev1_ING_SP_1	Start delay time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod	Directional Mode		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
RsDlTmms	ABBIED600_Rev1_ING_SP_1_e	Reset Delay Time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ItmEFInd	ABBIED600_Rev1_SPS_e	Intermittent earth-fault indication	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
InhEF	ABBIED600_Rev1_SPS_e	Block EF	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
PkInd	ABBIED600_Rev1_SPS_e	Current transient detection indication	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TrgSt	ABBIED600_Rev1_SPS_simple_e	Signal indicating function triggering	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
PkCntLim	ABBIED600_Rev1_ING_SP_1_e	Min requirement for peak counter before start in IEF mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

OpModTEF	ABBIED600_Rev3_ENG_SP_OpModTEF_e	Operation mode for function	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AResSigSel	ABBIED600_Rev2_ENG_SP_AResSigSel_e	Selection for used Io signal	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VResSigSel	ABBIED600_Rev2_ENG_SP_VResSigSel_e	Selection for used Uo signal	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.148 3.2.148 LN: MFADRDIR2 Name: RDIR (ED2,ED1)

Related LN(s): LD0.MFADRDIR2.LN type: MFADRDIR2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Dir	ABBIED600_Rev1_ACD_simple	Direction		
BlkValA	ABBIED600_Rev3_ASG_SG_i	Minimum operating current		
RevPol	ABBIED600_Rev1_SPG_SP_e	Rotate polarizing quantity	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpPolAng	ABBIED600_Rev3_MV_simple_i_e	Angle between polarizing and operating quantity	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TiltAng	ABBIED600_Rev3_ASG_SG_i_e	Characteristic tilt angle	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpQtySel	ABBIED600_Rev1_ENG_SP_OpQtySel_e	Operating quantity selection: resistive, amplitude	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

DirRs	ABBIED600_Rev1_SPC_simple_e	Direction calculation reset	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.149 3.2.149 LN: ROVPTOV2 Name: PTOV (ED2,ED1)

Related LN(s): LD0.ROVPTOV2.LN type: ROVPTOV2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
StrVal	ABBIED600_Rev3_ASG_SG_i	Residual Over Voltage start value		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VResSigSel	ABBIED600_Rev2_ENG_SP_VResSigSel_e	Selection for used Uo signal	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.150 3.2.150 LN: PHPTUV2 Name: PTUV (ED2,ED1)

Related LN(s): LD0.PHPTUV2.LN type: PHPTUV2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
TmVCrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv_e	Type of Reset Curve	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
BlkVal	ABBIED600_Rev3_ASG_SP_i_e	Voltage block value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
NumPh	ABBIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CrvSatRl	ABBIED600_Rev1_ASG_SP_f_e	Tuning parameter to avoid curve discontinuities	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VSel	ABBIED600_Rev3_ENG_SP_VSel_e	Parameter to select phase or phase-to-phase voltages	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
EnaBlkVal	ABBIED600_Rev1_SPG_SP_e	Enable block value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
HysRl	ABBIED600_Rev3_ASG_SP_i_e	Relative hysteresis for operation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TypTmRs	ABBIED600_Rev2_ENG_SG_TypTmRs_e	Type of time reset	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.151 3.2.151 LN: PHPTOV2 Name: PTOV (ED2,ED1)

Related LN(s): LD0.PHPTOV2.LN type: PHPTOV2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
TmVCrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		

StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv_e	Type of Reset Curve	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
NumPh	ABBIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
CrvSatRl	ABBIED600_Rev1_ASG_SP_f_e	Tuning parameter to avoid curve discontinuities	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VSel	ABBIED600_Rev3_ENG_SP_VSel_e	Parameter to select phase or phase-to-phase voltages	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
HysRl	ABBIED600_Rev3_ASG_SP_i_e	Relative hysteresis for operation	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TypTmRs	ABBIED600_Rev2_ENG_SG_TypTmRs_e	Type of time reset	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.152 3.2.152 LN: FRPTRC2 Name: PTRC (ED2,ED1)

Related LN(s): LD0.FRPTRC2.LN type: FRPTRC2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Op	ABBIED600_Rev1_ACT_simple	Operate		
Str	ABBIED600_Rev1_ACD_simple	Start		
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpModProHz	ABBIED600_Rev2_ENG_SG_OpModProHz_e	Operation mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.153 3.2.153 LN: FRPTOF2 Name: PTOF (ED2,ED1)

Related LN(s): LD0.FRPTOF2.LN type: FRPTOF2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start, overfrequency		
Op	ABBIED600_Rev1_ACT_simple	Operate,		

		overfrequency		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time, overfrequency	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.154 3.2.154 LN: FRPTUF2 Name: PTUF (ED2,ED1)

Related LN(s): LD0.FRPTUF2.LN type: FRPTUF2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start, underfrequency		
Op	ABBIED600_Rev1_ACT_simple	Operate, underfrequency		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time, underfrequency	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.155 3.2.155 LN: FRPFRC2 Name: PFRC (ED2,ED1)

Related LN(s): LD0.FRPFRC2.LN type: FRPFRC2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		

Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start, frequency gradient		
Op	ABBIED600_Rev1_ACT_simple	Operate, frequency gradient		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value df/dt		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time, frequency gradient	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.156 3.2.156 LN: CCBRBRF2 Name: RBRF (ED2,ED1)

Related LN(s): LD0.CCBRBRF2.LN type: CCBRBRF2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Delayed CB failure alarm		
OpEx	ABBIED600_Rev1_ACT_simple	Breaker failure trip (external trip)		
OpIn	ABBIED600_Rev1_ACT_simple	Operate, retrip (internal trip)		
FailMod	ABBIED600_Rev2_ENG_SP_FailMod	Breaker Failure Detection Mode (current, breaker status, both, other)		

FailTmms	ABBIED600_Rev1_ING_SP	Breaker Failure Time Delay for bus bar trip		
TPTrTmms	ABBIED600_Rev1_ING_SP	Three Pole Retrip Time Delay		
DetValA	ABBIED600_Rev3_ASG_SP_i	Current Detector Value		
ReTrMod	ABBIED600_Rev2_ENG_SP_ReTrMod	Retrip Mode		
TrPlsTmms	ABBIED600_Rev1_ING_SP_e	Trip pulse time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
DetValARes	ABBIED600_Rev3_ASG_SP_i_e	Current Detector Value for residual current	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Measurement mode selection (current): 2= DFT; 3= Peak-to-Peak	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CBAlmTmms	ABBIED600_Rev1_ING_SP_e	Circuit breaker faulty alarm delay	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpExMod	ABBIED600_Rev2_ENG_SP_buTripMode_e	Select type of backup trip logic	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
InStr	ABBIED600_Rev1_SPS_e	CBFP start command	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
InPosCls	ABBIED600_Rev1_SPS_e	CB in closed poisition	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
InCBFlt	ABBIED600_Rev1_SPS_e	CB faulty and	EE	dataNs: REx615

		unable to trip		MICS:2014>IEC 61850-7-4:2003
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrLtcMod	ABBIED600_Rev2_ENG_SP_StrLtcMod_e	Start reset delayed or immediately	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.157 3.2.157 LN: LSHDPTRC2 Name: PTRC (ED2,ED1)

Related LN(s): LD0.LSHDPTRC2.LN type: LSHDPTRC2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Op	ABBIED600_Rev1_ACT_simple	Operate		
Str	ABBIED600_Rev1_ACD_simple	Start		
OpDlTmms	ABBIED600_Rev1_ING_SG	Time delay to restore		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
LodShdMod	ABBIED600_Rev2_ENG_SG_OpModProHz_e	Operation mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.158 3.2.158 LN: LSHDPTUF2 Name: PTUF (ED2,ED1)

Related LN(s): LD0.LSHDPTUF2.LN type: LSHDPTUF2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start, underfrequency		
Op	ABBIED600_Rev1_ACT_simple	Operate, underfrequency		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		

5.1.159 3.2.159 LN: LSHDPFRC2 Name: PFRC (ED2,ED1)

Related LN(s): LD0.LSHDPFRC2.LN type: LSHDPFRC2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start, frequency gradient		
Op	ABBIED600_Rev1_ACT_simple	Operate, frequency gradient		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value df/dt		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		

5.1.160 3.2.160 LN: LSHDPTOF2 Name: PTOF (ED2,ED1)

Related LN(s): LD0.LSHDPTOF2.LN type: LSHDPTOF2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		

Str	ABBIED600_Rev1_ACD_simple	Start of restore		
Op	ABBIED600_Rev1_ACT_simple	Restore the load		
StrVal	ABBIED600_Rev3_ASG_SG_i	Restore frequency		
ManRest	ABBIED600_Rev2_SPC_control_e	Manual restore command	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RestMod	ABBIED600_Rev2_ENG_SG_AutoManMod_e	Restore mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
BlkRest	ABBIED600_Rev2_SPC_control_e	Cancel restore	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.161 3.2.161 LN: SSCBR2 Name: SCBR (ED2,ED1)

Related LN(s): LD0.SSCBR2.LN type: SSCBR2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mod		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
ColOpn	ABBIED600_Rev1_SPS_simple	Open command of trip coil		
OpCntAlm	ABBIED600_Rev1_SPS	Number of CB operations exceeds alarm limit		
OpTmOpn	ABBIED600_Rev3_MV_simple_i	Travel time of the CB dur-		

		ing opening operation		
OpTmCls	ABBIED600_Rev3_MV_simple_i	Travel time of the CB during closing operation		
OpTmAlm	ABBIED600_Rev1_SPS_simple	Switch operating time exceeded		
OpAlmNum	ABBIED600_Rev1_ING_SP_1	Setting of alarm for number of CB operations.		
OpCntRs	ABBIED600_Rev1_INC_simple_int	Number of CB operation cycle		
InPosOpn	ABBIED600_Rev1_SPS_e	POSOPEN	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
InPosCls	ABBIED600_Rev1_SPS_e	POSCLOSE	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ColCls	ABBIED600_Rev1_SPS_simple_e	Close command status	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosOpn	ABBIED600_Rev1_SPS_e	CB position is open	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosIvd	ABBIED600_Rev1_SPS_e	INVALIDPOS	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosCls	ABBIED600_Rev1_SPS_e	CB position is closed	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

OpnAlm	ABBIED600_Rev1_SPS_e	CB open travel time exceeded set value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ClsAlm	ABBIED600_Rev1_SPS_e	CB close travel time exceeded set value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpCntLO	ABBIED600_Rev1_SPS_e	Number of CB operations exceeds lockout limit	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
LonTmAlm	ABBIED600_Rev1_SPS_e	CB 'not operated for long time' alarm	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
APwrAlm	ABBIED600_Rev1_SPS_e	Accumulated currents power (Iyt),exceeded alarm limit	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
APwrLO	ABBIED600_Rev1_SPS_e	Accumulated currents power (Iyt),exceeded lockout limit	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RmnNumOpAlm	ABBIED600_Rev1_SPS_e	Remaining life of CB exceeded alarm limit	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpnAlmTmms	ABBIED600_Rev1_ING_SP_1_e	Setting of alarm level for open travel time in ms	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CorOpnTmms	ABBIED600_Rev1_ING_SP_1_e	Correction factor for	E	dataNs: REx615 MICS:2014>IE

		open travel time in ms		C 61850-7-4:2003
ClsAlmTmms	ABBIED600_Rev1_ING_SP_1_e	Setting of alarm level for close travel time in ms	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
CorClsTmms	ABBIED600_Rev1_ING_SP_1_e	Correction factor for CB close travel time in ms	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
CorDifTmms	ABBIED600_Rev1_ING_SP_1_e	Corr. factor for time dif in aux. and main con-tacts open time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpLONum	ABBIED600_Rev1_ING_SP_1_e	Setting to block opera-tion when number of operation is more.	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpNumRtg	ABBIED600_Rev1_ING_SP_1_e	Number of operations possible at rated current	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
NumOpAlmLev	ABBIED600_Rev1_ING_SP_1_e	Alarm level for CB re-maining life	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpNumFlt	ABBIED600_Rev1_ING_SP_1_e	Number of operations possible at rated fault current	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
CntIniVal	ABBIED600_Rev1_ING_SP_1_e	The opera-tion numbers	E	dataNs REx615 MICS:2014>IE

		counter initialization value			C 61850-7-4:2003
InaAlmTmd	ABBIED600_Rev1_ING_SP_1_e	Alarm limit value of the inactive days counter	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
IniInaTmd	ABBIED600_Rev1_ING_SP_1_e	Initial value of the inactive days counter	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InaAlmTmh	ABBIED600_Rev1_ING_SP_1_e	Alarm time of the inactive days counter in hours	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InaTmdCnt	ABBIED600_Rev1_INS_e	The number of days CB has been inactive	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
RsAccmAPwr	ABBIED600_Rev2_SPC_control_e	Reset accumulation energy	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
RsCBWear	ABBIED600_Rev2_SPC_control_e	Reset input for CB remaining life and operation counter	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
RsTrvTm	ABBIED600_Rev2_SPC_control_e	SSCBR2 travel t	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
TestSpvn	ABBIED600_Rev3_ENC_TestSpvn_e	Test control for outputs	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
TrvClcMod	ABBIED600_Rev2_ENG_SP_TrvClcMod_e	Travel time calculation mode	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

DirCff	ABBIED600_Rev1_ASG_SP_f_e	Directional coefficient for CB life calculation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
IniRmnNumOp	ABBIED600_Rev1_ASG_SP_f_e	Initial value for the CB remaining life estimates	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AlmAccmAPwr	ABBIED600_Rev3_ASG_SP_i_e	Setting of alarm level for accumulated currents power, lyt	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AccmStopA	ABBIED600_Rev3_ASG_SP_i_e	Setting of the RMS current below which engy acm stops	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
LOAccmAPwr	ABBIED600_Rev3_ASG_SP_i_e	Setting of lockout level for accumulated currents power, lyt	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AExpn	ABBIED600_Rev1_ASG_SP_f_e	Current exponent setting for energy calculation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AOpRtg	ABBIED600_Rev3_ASG_SP_i_e	Rated operating current of the breaker	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AFltRtg	ABBIED600_Rev3_ASG_SP_i_e	Rated fault current of the breaker	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
IniAccmAPwr	ABBIED600_Rev3_ASG_SP_i_e	Initial value for accumu-	E	dataNs: REx615 MICS:2014>IE

		lation energy (Iyt)			C 61850-7-4:2003

5.1.162 3.2.162 LN: SPH1SCBR2 Name: SCBR (ED2,ED1)

Related LN(s): LD0.SPH1SCBR2.LN type: SPH1SCBR2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks	
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode			
Beh	ABBIED600_Rev4_ENS_beh	Behaviour			
Health	ABBIED600_Rev4_ENS_health	Health			
NamPlt	ABBIED600_Rev2_LPL_InNs_Ed2	Name plate			
ColOpn	ABBIED600_Rev1_SPS_simple	Open command of trip coil			
RmnNumOp	ABBIED600_Rev1_INS_d_e	CB Remaining life phase A	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AccmAPwr	ABBIED600_Rev3_MV_simple_i_e	Accumulated currents power (Iyt), phase A	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.163 3.2.163 LN: SPH2SCBR2 Name: SCBR (ED2,ED1)

Related LN(s): LD0.SPH2SCBR2.LN type: SPH2SCBR2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks	
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode			
Beh	ABBIED600_Rev4_ENS_beh	Behaviour			
Health	ABBIED600_Rev4_ENS_health	Health			
NamPlt	ABBIED600_Rev2_LPL_InNs_Ed2	Name plate			
ColOpn	ABBIED600_Rev1_SPS_simple	Open command of trip coil			
RmnNumOp	ABBIED600_Rev1_INS_d_e	CB Remaining life phase B	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AccmAPwr	ABBIED600_Rev3_MV_simple_i_e	Accumulated currents power (Iyt),	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

		phase B		

5.1.164 3.2.164 LN: SPH3SCBR2 Name: SCBR (ED2,ED1)

Related LN(s): LD0.SPH3SCBR2.LN type: SPH3SCBR2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
ColOpn	ABBIED600_Rev1_SPS_simple	Open command of trip coil		
RmnNumOp	ABBIED600_Rev1_INS_d_e	CB Remaining life phase C	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AccmAPwr	ABBIED600_Rev3_MV_simple_i_e	Accumulated cur-rents power (Iyt), phase C	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.165 3.2.165 LN: SSIMG2 Name: SIMG (ED2,ED1)

Related LN(s): LD0.SSIMG2.LN type: SSIMG2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
InsAlm	ABBIED600_Rev1_SPS	Pressure below alarm level		
InsBlk	ABBIED600_Rev1_SPS	Pressure below lockout level		
PresAlm	ABBIED600_Rev1_SPS	Binary pressure input for alarm		
PresBlk	ABBIED600_Rev1_SPS_e	Binary pressure	E	dataNs REx615

		input for lockout indication			MICS:2014>IEC 61850-7-4:2003
InsAlmTmms	ABBIED600_Rev1_ING_SP_1_e	Time delay for gas pressure alarm.	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InsBlkTmms	ABBIED600_Rev1_ING_SP_e	Time delay for gas pressure lockout.	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.166 3.2.166 LN: SSOPM2 Name: SOPM (ED2,ED1)

Related LN(s): LD0.SSOPM2.LN type: SSOPM2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks	
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode			
Beh	ABBIED600_Rev4_ENS_beh	Behaviour			
Health	ABBIED600_Rev4_ENS_health	Health			
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate			
SprChaAlm	ABBIED600_Rev1_SPS_e	Spring charging time has crossed the set value	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
SprChaStr	ABBIED600_Rev1_SPS_e	CB spring charg-ing started input	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
SprChaStop	ABBIED600_Rev1_SPS_e	CB spring charged input	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
SprChaTmms	ABBIED600_Rev1_ING_SP_e	Setting of alarm for spring charg-ing time of CB in ms.	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
TmsSprCha	ABBIED600_Rev3_MV_simple_i_e	The charging time of the CB spring	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
RsSprChaTm	ABBIED600_Rev2_SPC_control_e	SSCBR2 spr.charge t	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.167 3.2.167 LN: SEQSPVC2 Name: SPVC (ED2,ED1)

Related LN(s): LD0.SEQSPVC2.LN type: SEQSPVC2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_lnNs_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple_e	Block signal for all binary outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Str	ABBIED600_Rev1_ACD_simple_e	General start of function	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Str3Ph	ABBIED600_Rev1_ACD_simple	Three-phase start of function		
InPosCls	ABBIED600_Rev1_SPS	Active when circuit breaker is closed		
InDCPosOpn	ABBIED600_Rev1_SPS	Active when line disconnector is open		
InMCBPsOpn	ABBIED600_Rev1_SPS	Active when external MCB opens protected Volt. circuit		
BlkValA	ABBIED600_Rev3_ASG_SP_i_e	Minimum operate level of phase current for delta calculation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
NgSeqLevA	ABBIED600_Rev3_ASG_SP_i	Operate level of neg seq undercurrent element		

ChgRteA	ABBIED600_Rev3_ASG_SP_i	Operate level of change in phase current		
ChgRteEna	ABBIED600_Rev1_SPG_SP	Enabling operation of change based function		
ChgRteV	ABBIED600_Rev3_ASG_SP_i	Operate level of change in phase voltage		
EnaSealIn	ABBIED600_Rev1_SPG_SP	Enabling seal in functionality		
BlkValV	ABBIED600_Rev3_ASG_SP_i_e	Minimum operate level of phase voltage for delta calculation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
SealInV	ABBIED600_Rev3_ASG_SP_i	Operate level of seal-in phase voltage		
NgSeqLevV	ABBIED600_Rev3_ASG_SP_i	Operate level of neg seq overvoltage element		
TestSpvn	ABBIED600_Rev3_ENC_TestSpvn	SEQSPVC2		
DeaLinValA	ABBIED600_Rev3_ASG_SP_i	Operate level for open phase current detection		

5.1.168 3.2.168 LN: DARREC2 Name: RREC (ED2,ED1)

Related LN(s): LD0.DARREC2.LN type: DARREC2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		

Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
OpCntRs	ABBIED600_Rev1_INC_simple_int_e	Resetable operation counter (all shots)	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RecCyc	ABBIED600_Rev1_INS	Actual reclose cycle (number between 1 and UseCyc)		
OpCls	ABBIED600_Rev1_ACT_threephase	Operate (close command to XCBR)		
AutoRecSt	ABBIED600_Rev3_ENS_AutoRecSt	Auto Reclosing Status		
Rec1Tmms1	ABBIED600_Rev1_ING_SP	First reclose time		
Rec1Tmms2	ABBIED600_Rev1_ING_SP	Second reclose time		
Rec1Tmms3	ABBIED600_Rev1_ING_SP	Third reclose time		
Rec1Tmms4	ABBIED600_Rev1_ING_SP	Fourth reclose time		
Rec1Tmms5	ABBIED600_Rev1_ING_SP	Fifth reclose time		
Rec1Tmms6	ABBIED600_Rev1_ING_SP	Sixth reclose time		
Rec1Tmms7	ABBIED600_Rev1_ING_SP	Seventh reclose time		
Rec3Tmms1	ABBIED600_Rev1_ING_SP	First reclose time		
Rec3Tmms2	ABBIED600_Rev1_ING_SP	Second reclose time		
Rec3Tmms3	ABBIED600_Rev1_ING_SP	Third reclose time		
Rec3Tmms4	ABBIED600_Rev1_ING_SP	Fourth reclose		

		time		
Rec3Tmms5	ABBIED600_Rev1_ING_SP	Fifth reclose time		
Rec3Tmms6	ABBIED600_Rev1_ING_SP	Sixth reclose time		
Rec3Tmms7	ABBIED600_Rev1_ING_SP	Seventh reclose time		
RclTmms	ABBIED600_Rev1_ING_SP	Reclaim time		
OpOpn	ABBIED600_Rev1_ACT_threephase_e	Operate (open command to XCBR)	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
BlkRec	ABBIED600_Rev2_SPC_control_e	Block reclose	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RecCnt1	ABBIED600_Rev1_INS_e	Operation counter (1st shot)	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RecCnt2	ABBIED600_Rev1_INS_e	Operation counter (2nd shot)	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RecCnt3	ABBIED600_Rev1_INS_e	Operation counter (3rd shot)	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RecCnt4	ABBIED600_Rev1_INS_e	Operation counter (4th shot)	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RecCnt5	ABBIED600_Rev1_INS_e	Operation counter (5th shot)	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AutoIni	ABBIED600_Rev1_ING_SP_1_e	Auto init	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RecOp	ABBIED600_Rev2_ENG_SP_recOp_e	Reclosing operation	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

ManClsMod	ABBIED600_Rev1_SPG_SP_e	Manual close mode	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
WtClsTmms	ABBIED600_Rev1_ING_SP_e	Wait close time	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
MaxWtTmms	ABBIED600_Rev1_ING_SP_e	Max wait time	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
MaxBlkTmms	ABBIED600_Rev1_ING_SP_e	Max Thm block time	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
CutOutTmms	ABBIED600_Rev1_ING_SP_e	Cut-out time	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
DsrTmms1	ABBIED600_Rev1_ING_SP_e	Dsr time shot 1	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
DsrTmms2	ABBIED600_Rev1_ING_SP_e	Dsr time shot 2	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
DsrTmms3	ABBIED600_Rev1_ING_SP_e	Dsr time shot 3	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
DsrTmms4	ABBIED600_Rev1_ING_SP_e	Dsr time shot 4	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
TermPrio	ABBIED600_Rev2_ENG_SP_termPrio_e	Terminal priori-ty	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
SynSet	ABBIED600_Rev1_ING_SP_1_e	Synchronisa-tion set	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AutoWtT-mms	ABBIED600_Rev1_ING_SP_e	Auto wait time	EE	dataNs	REx615 MICS:2014>IEC 61850-7-

					4:2003
AutoLORs	ABBIED600_Rev1_SPG_SP_e	Auto lockout reset	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ProCrdLim	ABBIED600_Rev1_ING_SP_1_e	Protection crd limit	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ProCrdMod	AB-BIED600_Rev2_ENG_SP_proCrdMod_e	Protection crd mode	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AutoIniCnd	ABBIED600_Rev2_ENG_SP_autoIniCnd_e	Auto initiation cnd	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
TrLin	ABBIED600_Rev1_ING_SP_1_e	Tripping line	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
CtlLin	ABBIED600_Rev1_ING_SP_1_e	Control line	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
EnaShotJmp	ABBIED600_Rev1_SPG_SP_e	Enable shot jump	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
CBClsPosSt	ABBIED600_Rev1_SPG_SP_e	CB closed Pos status	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Ena4DlSOF	ABBIED600_Rev1_SPG_SP_e	Fourth delay in SOTF	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
IniSigCBB1	ABBIED600_Rev1_ING_SP_1_e	Init signals CBB1	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
IniSigCBB2	ABBIED600_Rev1_ING_SP_1_e	Init signals CBB2	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

IniSigCBB3	ABBIED600_Rev1_ING_SP_1_e	Init signals CBB3	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
IniSigCBB4	ABBIED600_Rev1_ING_SP_1_e	Init signals CBB4	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
IniSigCBB5	ABBIED600_Rev1_ING_SP_1_e	Init signals CBB5	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
IniSigCBB6	ABBIED600_Rev1_ING_SP_1_e	Init signals CBB6	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
IniSigCBB7	ABBIED600_Rev1_ING_SP_1_e	Init signals CBB7	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
BlkSigCBB1	ABBIED600_Rev1_ING_SP_1_e	Blk signals CBB1	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
BlkSigCBB2	ABBIED600_Rev1_ING_SP_1_e	Blk signals CBB2	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
BlkSigCBB3	ABBIED600_Rev1_ING_SP_1_e	Blk signals CBB3	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
BlkSigCBB4	ABBIED600_Rev1_ING_SP_1_e	Blk signals CBB4	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
BlkSigCBB5	ABBIED600_Rev1_ING_SP_1_e	Blk signals CBB5	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
BlkSigCBB6	ABBIED600_Rev1_ING_SP_1_e	Blk signals CBB6	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
BlkSigCBB7	ABBIED600_Rev1_ING_SP_1_e	Blk signals CBB7	EE	dataNs	REx615 MICS:2014>IEC 61850-7-

					4:2003
ShotNum1	ABBIED600_Rev1_ING_SP_1_e	Shot number CBB1	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ShotNum2	ABBIED600_Rev1_ING_SP_1_e	Shot number CBB2	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ShotNum3	ABBIED600_Rev1_ING_SP_1_e	Shot number CBB3	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ShotNum4	ABBIED600_Rev1_ING_SP_1_e	Shot number CBB4	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ShotNum5	ABBIED600_Rev1_ING_SP_1_e	Shot number CBB5	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ShotNum6	ABBIED600_Rev1_ING_SP_1_e	Shot number CBB6	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ShotNum7	ABBIED600_Rev1_ING_SP_1_e	Shot number CBB7	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Str2Tmms1	ABBIED600_Rev1_ING_SP_e	Str 2 delay shot 1	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Str2Tmms2	ABBIED600_Rev1_ING_SP_e	Str 2 delay shot 2	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Str2Tmms3	ABBIED600_Rev1_ING_SP_e	Str 2 delay shot 3	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Str2Tmms4	ABBIED600_Rev1_ING_SP_e	Str 2 delay shot 4	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

Str3Tmms1	ABBIED600_Rev1_ING_SP_e	Str 3 delay shot 1	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Str3Tmms2	ABBIED600_Rev1_ING_SP_e	Str 3 delay shot 2	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Str3Tmms3	ABBIED600_Rev1_ING_SP_e	Str 3 delay shot 3	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Str3Tmms4	ABBIED600_Rev1_ING_SP_e	Str 3 delay shot 4	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Str4Tmms1	ABBIED600_Rev1_ING_SP_e	Str 4 delay shot 1	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Str4Tmms2	ABBIED600_Rev1_ING_SP_e	Str 4 delay shot 2	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Str4Tmms3	ABBIED600_Rev1_ING_SP_e	Str 4 delay shot 3	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Str4Tmms4	ABBIED600_Rev1_ING_SP_e	Str 4 delay shot 4	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
FrqCntLim	ABBIED600_Rev1_ING_SP_1_e	Frq Op counter limit	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
FrqCntTmm	ABBIED600_Rev1_ING_SP_1_e	Frq Op counter time	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
FrqRcvTmm	ABBIED600_Rev1_ING_SP_1_e	Frq Op recov-ery time	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PlsTmms	ABBIED600_Rev1_ING_SP_e	Close pulse time	E	dataNs	REx615 MICS:2014>IEC 61850-7-

					4:2003
MaxTrTmms	ABBIED600_Rev1_ING_SP_e	Max trip time	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InInhRec	ABBIED600_Rev1_SPS_e	Inhibit reclose (status)	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InBlkThm	ABBIED600_Rev1_SPS_e	Thermal block (status)	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
LO	ABBIED600_Rev1_SPS_e	Lockout status	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
RdyRec	ABBIED600_Rev1_SPS_e	Ready reclose status	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ActRec	ABBIED600_Rev1_SPS_e	Active reclose status	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
SucRec	ABBIED600_Rev1_SPS_e	Successful re-close status	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
UnsRec	ABBIED600_Rev1_SPS_e	Unsuccessful reclose status	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PrgRec	ABBIED600_Rev1_SPS_e	In progress sta-tus	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
UnsCBCls	ABBIED600_Rev1_SPS_e	Unsuccessful CB closing sta-tus	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
WtMstr	ABBIED600_Rev1_SPS_e	Master signal to follower	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

PrgRec1	ABBIED600_Rev1_SPS_e	In progress 1st reclose	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PrgRec2	ABBIED600_Rev1_SPS_e	In progress 2nd reclose	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PrgRec3	ABBIED600_Rev1_SPS_e	In progress 3rd reclose	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PrgRec4	ABBIED600_Rev1_SPS_e	In progress 4th reclose	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PrgRec5	ABBIED600_Rev1_SPS_e	In progress 5th reclose	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PrgDsr	ABBIED600_Rev1_SPS_e	Discrimination time in pro-gress	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PrgCutOut	ABBIED600_Rev1_SPS_e	Cutout time in progress	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
FrqOpCnt	ABBIED600_Rev1_INS_e	Frequent oper-ation counter	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
FrqOpAlm	ABBIED600_Rev1_SPS_e	Frequent oper-ation counter alarm	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
RecRs	ABBIED600_Rev2_SPC_control_e	DARREC2 reset	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
CntRs	ABBIED600_Rev2_SPC_control_e	DARREC2 counters	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
DsaCnt	ABBIED600_Rev2_SPC_control_e	Signal for counter disa-	EE	dataNs	REx615 MICS:2014>IEC 61850-7-

		bling			4:2003
RclTmStr	ABBIED600_Rev1_SPS_e	Reclaim time started	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ProCrd	ABBIED600_Rev1_SPS_e	Protection co-ordination	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
CBManCls	ABBIED600_Rev1_SPS_e	CB manually closed	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AutoRecOn	ABBIED600_Rev1_SPS_e	AR switched On	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ShotPntr	ABBIED600_Rev1_INS_e	Shot pointer value	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InRecOn	ABBIED600_Rev1_SPS_e	AR on/off control signal status	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InBlkRclTm	ABBIED600_Rev1_SPS_e	Block reclaim time	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InCBPos	ABBIED600_Rev1_SPS_e	CB position input	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InCBRdy	ABBIED600_Rev1_SPS_e	CB ready for reclosing	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InSynChk	ABBIED600_Rev1_SPS_e	Synchro check fulfilled	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InIncrPntr	ABBIED600_Rev1_SPS_e	Shot pointer increment by one	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

InIni1	ABBIED600_Rev1_SPS_e	No 1 operate signal	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InIni2	ABBIED600_Rev1_SPS_e	No 2 operate signal	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InIni3	ABBIED600_Rev1_SPS_e	No 3 operate signal	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InIni4	ABBIED600_Rev1_SPS_e	No 4 operate signal	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InIni5	ABBIED600_Rev1_SPS_e	No 5 operate signal	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InIni6	ABBIED600_Rev1_SPS_e	No 6 operate signal	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InDlIni2	ABBIED600_Rev1_SPS_e	No 2 start signal	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InDlIni3	ABBIED600_Rev1_SPS_e	No 3 start signal	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InDlIni4	ABBIED600_Rev1_SPS_e	No 4 start signal	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
RclTmEla	ABBIED600_Rev1_SPS_e	Reclaim time elapsed	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InBlkRecTm	ABBIED600_Rev1_SPS_e	Blocks and resets dead time	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
SOF	ABBIED600_Rev1_SPS_e	Switch on the fault	EE	dataNs	REx615 MICS:2014>IEC 61850-7-

					4:2003
TestCtl	ABBIED600_Rev5_ENC_TestCtl_e	Test control for outputs	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.169 3.2.169 LN: CMMXU2 Name: MMXU (ED2,ED1)

Related LN(s): LD0.CMMXU2.LN type: CMMXU2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks	
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Operation			
Beh	ABBIED600_Rev4_ENS_beh	Behaviour			
Health	ABBIED600_Rev4_ENS_health	Health			
NamPlt	ABBIED600_Rev1_LPL_1	Name plate			
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E		
A	ABBIED600_Rev3_WYE_threephase_full_i	Phase currents			
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Selects used measurement mode	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
NumPh	ABBIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required by limit supervision	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
HiAlm	ABBIED600_Rev1_SPS_e	High alarm	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
HiWrn	ABBIED600_Rev1_SPS_e	High warning	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
LoWrn	ABBIED600_Rev1_SPS_e	Low warning	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
LoAlm	ABBIED600_Rev1_SPS_e	Low alarm	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
RcdRs	ABBIED600_Rev2_SPC_control_e	CMMXU2 de-	E	dataNs	REx615

		mands			MICS:2014>IEC 61850-7-4:2003

5.1.170 3.2.170 LN: CAVMMXU2 Name: MMXU (ED2,ED1)

Related LN(s): LD0.CAVMMXU2.LN type: CAVMMXU2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
A	ABBIED600_Rev3_WYE_threephase_simpler_i	Phase current		
ClcMth	ABBIED600_Rev3_ENG_SP_ClcMth	Calculation method of statistical data objects	E	
ClcMod	ABBIED600_Rev2_ENG_SP_ClcMod	Calculation mode	E	
ClcSrc	ABBIED600_Rev4_ORG_SP_1	Object reference to source logical node		

5.1.171 3.2.171 LN: CMAMMXU2 Name: MMXU (ED2,ED1)

Related LN(s): LD0.CMAMMXU2.LN type: CMAMMXU2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
A	ABBIED600_Rev3_WYE_threephase_simpler_i	Phase current		
ClcMth	ABBIED600_Rev3_ENG_SP_ClcMth	Calculation method of statistical data objects	E	
ClcMod	ABBIED600_Rev2_ENG_SP_ClcMod	Calculation mode	E	
ClcSrc	ABBIED600_Rev4_ORG_SP_1	Object reference to source logical node		

5.1.172 3.2.172 LN: CMIMMXU2 Name: MMXU (ED2,ED1)

Related LN(s): LD0.CMIMMXU2.LN type: CMIMMXU2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
A	ABBIED600_Rev3_WYE_threephase_simpler_i	Phase current		
ClcMth	ABBIED600_Rev3_ENG_SP_ClcMth	Calculation method of statistical data objects	E	
ClcMod	ABBIED600_Rev2_ENG_SP_ClcMod	Calculation mode	E	
ClcSrc	ABBIED600_Rev4_ORG_SP_1	Object reference to source logical node		

5.1.173 3.2.173 LN: CSMSQI2 Name: MSQI (ED2,ED1)

Related LN(s): LD0.CSMSQI2.LN type: CSMSQI2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
SeqA	ABBIED600_Rev3_SEQ_2	Positive, Negative and Zero Sequence Current		

5.1.174 3.2.174 LN: PEMMXU2 Name: MMXU (ED2,ED1)

Related LN(s): LD0.PEMMXU2.LN type: PEMMXU2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		

NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
TotW	ABBIED600_Rev4_MV_3	Total Active Power (Total P)		
TotVAr	ABBIED600_Rev4_MV_3	Total Reactive Power (Total Q)		
TotVA	ABBIED600_Rev4_MV_3	Total Apparent Power (Total S)		
TotPF	ABBIED600_Rev4_MV_4	Average Power factor (Total PF)		
WhDir	ABBIED600_Rev2_ENG_SP_DirMod2_e	Active power Dir	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VArhDir	ABBIED600_Rev2_ENG_SP_DirMod2_e	Reactive power Dir	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RcdRs	ABBIED600_Rev2_SPC_control_e	PEMMXU2 demands	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PwrMeasMod	ABBIED600_Rev3_ENG_SP_PwrMeasMod_e	Measurement mode for power calculation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.175 3.2.175 LN: PEMMTR2 Name: MMTR (ED2,ED1)

Related LN(s): LD0.PEMMTR2.LN type: PEMMTR2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		

SupWh	ABBIED600_Rev4_BCR_2	EA_RV_ACM		
SupVArh	ABBIED600_Rev4_BCR_2	ER_RV_ACM		
DmdWh	ABBIED600_Rev4_BCR_2	EA_FWD_ACM		
DmdVArh	ABBIED600_Rev4_BCR_2	ER_FWD_ACM		
IniDmdWh	ABBIED600_Rev1_ING_SP_1_e	Preset Initial value for forward active energy	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
IniSupWh	ABBIED600_Rev1_ING_SP_1_e	Preset Initial value for reverse active energy	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
IniDmdVArh	ABBIED600_Rev1_ING_SP_1_e	Preset Initial value for forward reactive energy	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
IniSupVArh	ABBIED600_Rev1_ING_SP_1_e	Preset Initial value for reverse reactive energy	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
SupDmdRs	ABBIED600_Rev2_SPC_control_e	Reset of accumulated energy readings	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.176 3.2.176 LN: PEAVMMXU2 Name: MMXU (ED2,ED1)

Related LN(s): LD0.PEAVMMXU2.LN type: PEAVMMXU2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
TotW	ABBIED600_Rev3_MV_simple_i	Average active power		
TotVAr	ABBIED600_Rev3_MV_simple_i	Average reactive power		
TotVA	ABBIED600_Rev3_MV_simple_i	Average apparent power		
TotPF	ABBIED600_Rev3_MV_simple_i	Average power factor		
ClcMod	ABBIED600_Rev2_ENG_SP_ClcMod	Calculation mode	E	
ClcMth	ABBIED600_Rev3_ENG_SP_ClcMth	Calculation method of statistical da-	E	

		ta objects		
ClcSrc	ABBIED600_Rev4_ORG_SP_1	Object reference to source logical node		

5.1.177 3.2.177 LN: PEMAMMXU2 Name: MMXU (ED2,ED1)

Related LN(s): LD0.PEMAMMXU2.LN type: PEMAMMXU2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
TotW	ABBIED600_Rev3_MV_simple_i	Maximum active power		
TotVAr	ABBIED600_Rev3_MV_simple_i	Maximum reactive power		
TotVA	ABBIED600_Rev3_MV_simple_i	Maximum apparent power		
ClcMod	ABBIED600_Rev2_ENG_SP_ClcMod	Calculation mode	E	
ClcMth	ABBIED600_Rev3_ENG_SP_ClcMth	Calculation method of statistical data objects	E	
ClcSrc	ABBIED600_Rev4_ORG_SP_1	Object reference to source logical node		

5.1.178 3.2.178 LN: PEMIMMXU2 Name: MMXU (ED2,ED1)

Related LN(s): LD0.PEMIMMXU2.LN type: PEMIMMXU2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
TotW	ABBIED600_Rev3_MV_simple_i	Minimum active power		
TotVAr	ABBIED600_Rev3_MV_simple_i	Minimum reactive power		
TotVA	ABBIED600_Rev3_MV_simple_i	Minimum apparent power		
ClcMod	ABBIED600_Rev2_ENG_SP_ClcMod	Calculation mode	E	

ClcMth	ABBIED600_Rev3_ENG_SP_ClcMth	Calculation method of statistical data objects	E	
ClcSrc	ABBIED600_Rev4_ORG_SP_1	Object reference to source logical node		

5.1.179 3.2.179 LN: SPEMMXU2 Name: MMXU (ED2,ED1)

Related LN(s): LD0.SPEMMXU2.LN type: SPEMMXU2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
W	ABBIED600_Rev3_WYE_3_1	Phase active power (P)		
VAr	ABBIED600_Rev3_WYE_3_1	Phase reactive power (Q)		
VA	ABBIED600_Rev3_WYE_3_1	Phase apparent power (S)		
PF	ABBIED600_Rev3_WYE_3_1	Average power factor (PF)		
WhDir	ABBIED600_Rev2_ENG_SP_DirMod2_e	Active power direction	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VArhDir	ABBIED600_Rev2_ENG_SP_DirMod2_e	Reactive power direction	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RcdRs	ABBIED600_Rev2_SPC_control_e	Demands	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.180 3.2.180 LN: SPE1MMTR2 Name: MMTR (ED2,ED1)

Related LN(s): LD0.SPE1MMTR2.LN type: SPE1MMTR2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		

Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
SupWh	ABBIED600_Rev4_BCR_2	SPE1MMTR2 real energy supply		
SupVArh	ABBIED600_Rev4_BCR_2	SPE1MMTR2 reactive energy supply		
DmdWh	ABBIED600_Rev4_BCR_2	SPE1MMTR2 real energy demand		
DmdVArh	ABBIED600_Rev4_BCR_2	SPE1MMTR2 reactive energy demand		
IniDmdWh	ABBIED600_Rev1_ING_SP_1_e	SPE1MMTR2 preset initial value for forward active energy	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
IniSupWh	ABBIED600_Rev1_ING_SP_1_e	SPE1MMTR2 preset initial value for reverse active energy	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
IniDmdVArh	ABBIED600_Rev1_ING_SP_1_e	SPE1MMTR2 preset initial value for forward reactive energy	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
IniSupVArh	ABBIED600_Rev1_ING_SP_1_e	SPE1MMTR2 preset initial value for reverse reactive energy	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
EnValRs	ABBIED600_Rev2_SPC_control_e	SPE1MMTR2 reset of accumulated energy readings	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.181 3.2.181 LN: SPE2MMTR2 Name: MMTR (ED2,ED1)

Related LN(s): LD0.SPE2MMTR2.LN type: SPE2MMTR2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		

Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
SupWh	ABBIED600_Rev4_BCR_2	SPE2MMTR2 real energy supply		
SupVArh	ABBIED600_Rev4_BCR_2	SPE2MMTR2 reactive energy supply		
DmdWh	ABBIED600_Rev4_BCR_2	SPE2MMTR2 real energy demand		
DmdVArh	ABBIED600_Rev4_BCR_2	SPE2MMTR2 reactive energy demand		
IniDmdWh	ABBIED600_Rev1_ING_SP_1_e	SPE2MMTR2 preset initial value for forward active energy	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
IniSupWh	ABBIED600_Rev1_ING_SP_1_e	SPE2MMTR2 preset initial value for reverse active energy	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
IniDmdVArh	ABBIED600_Rev1_ING_SP_1_e	SPE2MMTR2 preset initial value for forward reactive energy	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
IniSupVArh	ABBIED600_Rev1_ING_SP_1_e	SPE2MMTR2 preset initial value for reverse reactive energy	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
EnValRs	ABBIED600_Rev2_SPC_control_e	SPE2MMTR2 reset of accumulated energy readings	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.182 3.2.182 LN: SPE3MMTR2 Name: MMTR (ED2,ED1)

Related LN(s): LD0.SPE3MMTR2.LN type: SPE3MMTR2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		

NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
SupWh	ABBIED600_Rev4_BCR_2	SPE3MMTR2 real energy supply		
SupVArh	ABBIED600_Rev4_BCR_2	SPE3MMTR2 reactive energy supply		
DmdWh	ABBIED600_Rev4_BCR_2	SPE3MMTR2 real energy demand		
DmdVArh	ABBIED600_Rev4_BCR_2	SPE3MMTR2 reactive energy demand		
IniDmdWh	ABBIED600_Rev1_ING_SP_1_e	SPE3MMTR2 preset initial value for forward active energy	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
IniSupWh	ABBIED600_Rev1_ING_SP_1_e	SPE3MMTR2 preset initial value for reverse active energy	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
IniDmdVArh	ABBIED600_Rev1_ING_SP_1_e	SPE3MMTR2 preset initial value for forward reactive energy	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
IniSupVArh	ABBIED600_Rev1_ING_SP_1_e	SPE3MMTR2 preset initial value for reverse reactive energy	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
EnValRs	ABBIED600_Rev2_SPC_control_e	SPE3MMTR2 reset of accumulated energy readings	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.183 3.2.183 LN: SPEAVMMXU2 Name: MMXU (ED2,ED1)

Related LN(s): LD0.SPEAVMMXU2.LN type: SPEAVMMXU2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		

W	ABBIED600_Rev3_WYE_threephase_simple_i	Average active power		
VAr	ABBIED600_Rev3_WYE_threephase_simple_i	Average reactive power		
VA	ABBIED600_Rev3_WYE_threephase_simple_i	Average apparent power		
PF	ABBIED600_Rev3_WYE_threephase_simple_i	Average power factor		
ClcMth	ABBIED600_Rev3_ENG_SP_ClcMth	Calculation method of statistical data objects	E	
ClcMod	ABBIED600_Rev2_ENG_SP_ClcMod	Calculation mode	E	
ClcSrc	ABBIED600_Rev4_ORG_SP_1	Object reference to source logical node		

5.1.184 3.2.184 LN: SPEMAMMXU2 Name: MMXU (ED2,ED1)

Related LN(s): LD0.SPEMAMMXU2.LN type: SPEMAMMXU2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
W	ABBIED600_Rev3_WYE_threephase_simple_i	Maximum active power		
VAr	ABBIED600_Rev3_WYE_threephase_simple_i	Maximum reactive power		
VA	ABBIED600_Rev3_WYE_threephase_simple_i	Maximum apparent power		
ClcMth	ABBIED600_Rev3_ENG_SP_ClcMth	Calculation method of statistical data objects	E	
ClcMod	ABBIED600_Rev2_ENG_SP_ClcMod	Calculation mode	E	
ClcSrc	ABBIED600_Rev4_ORG_SP_1	Object reference to source logical node		

5.1.185 3.2.185 LN: SPEMIMMXU2 Name: MMXU (ED2,ED1)

Related LN(s): LD0.SPEMIMMXU2.LN type: SPEMIMMXU2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		

Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
W	ABBIED600_Rev3_WYE_threephase_simple_i	Minimum active power		
VAr	ABBIED600_Rev3_WYE_threephase_simple_i	Minimum reactive power		
VA	ABBIED600_Rev3_WYE_threephase_simple_i	Minimum apparent power		
ClcMth	ABBIED600_Rev3_ENG_SP_ClcMth	Calculation method of statistical data objects	E	
ClcMod	ABBIED600_Rev2_ENG_SP_ClcMod	Calculation mode	E	
ClcSrc	ABBIED600_Rev4_ORG_SP_1	Object reference to source logical node		

5.1.186 3.2.186 LN: DPHLPTOC3 Name: PTOC (ED2,ED1)

Related LN(s): LD0.DPHLPTOC3.LN type: DPHLPTOC3_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
TmACrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		

TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Type of Reset Curve		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod	Directional Mode		
InEnaMult	ABBIED600_Rev1_SPS_e	Enable signal for current multiplier	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
NumPh	ABBIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for scaling the start value	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Measuring mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AllwNonDir	ABBIED600_Rev1_SPG_SP_e	Allows prot activation as non-dir when dir info is invalid	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
NonDir	ABBIED600_Rev1_SPS_e	Forces protection to non-directional	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.187 3.2.187 LN: DPHLRDIR3 Name: RDIR (ED2,ED1)

Related LN(s): LD0.DPHLRDIR3.LN type: DPHLRDIR3_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_InNs_Ed2	Name plate		
Dir	ABBIED600_Rev1_ACD_threephase	Direction		
ChrAng	ABBIED600_Rev3_ASG_SG_i	Characteristic angle		
MinFwdAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in forward direction		
MinRvAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in reverse direction		
MaxFwdAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in forward direction		
MaxRvAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in reverse direction		
BlkValA	ABBIED600_Rev3_ASG_SP_i	Min operate current		
BlkValV	ABBIED600_Rev3_ASG_SP_i	Min operate voltage		
PolQty	ABBIED600_Rev3_ENG_SG_PolQty	Polarising Quantity		
VMemTmms	ABBIED600_Rev1_ING_SG_e	Voltage memory time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAngPhsA	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase A	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAngPhsB	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase B	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAngPhsC	ABBIED600_Rev3_MV_simple_i_e	Calc angle dif-	E	dataNs REx615 MICS:2014>IEC

		ference phase C		61850-7-4:2003
VMemUsedSt	ABBIED600_Rev1_SPS_e	Voltage memory in use status	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.188 3.2.188 LN: DPHLPTOC4 Name: PTOC (ED2,ED1)

Related LN(s): LD0.DPHLPTOC4.LN type: DPHLPTOC4_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
TmACrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Type of Reset Curve		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod	Directional Mode		
InEnaMult	ABBIED600_Rev1_SPS_e	Enable signal	E	dataNs REx615

		for current multiplier		MICS:2014>IEC 61850-7-4:2003
NumPh	ABBIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for scaling the start value	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Measuring mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AllwNonDir	ABBIED600_Rev1_SPG_SP_e	Allows prot activation as non-dir when dir info is invalid	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
NonDir	ABBIED600_Rev1_SPS_e	Forces protection to non-directional	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.189 3.2.189 LN: DPHLRDIR4 Name: RDIR (ED2,ED1)

Related LN(s): LD0.DPHLRDIR4.LN type: DPHLRDIR4_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Dir	ABBIED600_Rev1_ACD_threephase	Direction		

ChrAng	ABBIED600_Rev3_ASG_SG_i	Characteristic angle		
MinFwdAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in forward direction		
MinRvAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in reverse direction		
MaxFwdAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in forward direction		
MaxRvAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in reverse direction		
BlkValA	ABBIED600_Rev3_ASG_SP_i	Min operate current		
BlkValV	ABBIED600_Rev3_ASG_SP_i	Min operate voltage		
PolQty	ABBIED600_Rev3_ENG_SG_PolQty	Polarising Quantity		
VMemTmms	ABBIED600_Rev1_ING_SG_e	Voltage memory time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAngPhsA	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase A	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAngPhsB	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase B	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAngPhsC	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase C	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VMemUsedSt	ABBIED600_Rev1_SPS_e	Voltage memory in use status	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.190 3.2.190 LN: DPHHPTOC3 Name: PTOC (ED2,ED1)

Related LN(s): LD0.DPHHPTOC3.LN type: DPHHPTOC3_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
TmACrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Selection of reset curve type		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod	Directional Mode		
InEnaMult	ABBIED600_Rev1_SPS_e	Enables current multiplier	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
NumPh	ABBIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for scaling the start value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Selects used measurement mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AllwNonDir	ABBIED600_Rev1_SPG_SP_e	Allows prot activation as non-dir when dir info is invalid	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
NonDir	ABBIED600_Rev1_SPS_e	Forces protection to non-directional	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.191 3.2.191 LN: DPHHRDIR3 Name: RDIR (ED2,ED1)

Related LN(s): LD0.DPHHRDIR3.LN type: DPHHRDIR3_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Dir	ABBIED600_Rev1_ACD_threephase	DIR		
ChrAng	ABBIED600_Rev3_ASG_SG_i	Characteristic angle		
MinFwdAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in forward direction		
MinRvAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in reverse direction		

MaxFwdAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in forward direction		
MaxRvAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in reverse direction		
BlkValA	ABBIED600_Rev3_ASG_SP_i	Min operate current		
BlkValV	ABBIED600_Rev3_ASG_SP_i	Min operate voltage		
PolQty	ABBIED600_Rev3_ENG_SG_PolQty	Polarizing quantity		
VMemTmms	ABBIED600_Rev1_ING_SG_e	Voltage memory time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAngPhsA	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase A	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAngPhsB	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase B	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAngPhsC	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase C	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VMemUsedSt	ABBIED600_Rev1_SPS_e	Voltage memory in use status	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.192 3.2.192 LN: DPHHPTOC4 Name: PTOC (ED2,ED1)

Related LN(s): LD0.DPHHPTOC4.LN type: DPHHPTOC4_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for	E	

		all binary outputs		
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
TmACrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Selection of reset curve type		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod	Directional Mode		
InEnaMult	ABBIED600_Rev1_SPS_e	Enables current multiplier	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
NumPh	ABBIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for scaling the start value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Selects used measurement mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AllwNonDir	ABBIED600_Rev1_SPG_SP_e	Allows prot activation as non-dir when dir info is invalid	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
NonDir	ABBIED600_Rev1_SPS_e	Forces protection to non-directional	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.193 3.2.193 LN: DPHHRDIR4 Name: RDIR (ED2,ED1)

Related LN(s): LD0.DPHHRDIR4.LN type: DPHHRDIR4_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Dir	ABBIED600_Rev1_ACD_threephase	DIR		
ChrAng	ABBIED600_Rev3_ASG_SG_i	Characteristic angle		
MinFwdAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in forward direction		
MinRvAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in reverse direction		
MaxFwdAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in forward direction		
MaxRvAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in reverse direction		
BlkValA	ABBIED600_Rev3_ASG_SP_i	Min operate current		

BlkValV	ABBIED600_Rev3_ASG_SP_i	Min operate voltage		
PolQty	ABBIED600_Rev3_ENG_SG_PolQty	Polarizing quantity		
VMemTmms	ABBIED600_Rev1_ING_SG_e	Voltage memory time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAngPhsA	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase A	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAngPhsB	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase B	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAngPhsC	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase C	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VMemUsedSt	ABBIED600_Rev1_SPS_e	Voltage memory in use status	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.194 3.2.194 LN: DEFLPTOC3 Name: PTOC (ED2,ED1)

Related LN(s): LD0.DEFLPTOC3.LN type: DEFLPTOC3_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
TmACrv	ABBIED600_Rev2_CURVE_SG	Curve parameter E		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		

TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Selection of reset curve type		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod	Directional Mode		
VStr	ABBIED600_Rev3_ASG_SG_i_e	Voltage start value	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for scaling the start value	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AllwNonDir	ABBIED600_Rev1_SPG_SP_e	Allows prot activation as non-dir when dir info is invalid	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Selects used measurement mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
InEnaMult	ABBIED600_Rev1_SPS_e	Enables current multiplier	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
EnaVLim	ABBIED600_Rev1_SPG_SG_e	Enable voltage limit	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control	E	dataNs REx615 MICS:2014>IEC

		for outputs			61850-7-4:2003
AResSigSel	ABBIED600_Rev2_ENG_SP_AResSigSel_e	Selection for used Io signal	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.195 3.2.195 LN: DEFLRDIR3 Name: RDIR (ED2,ED1)

Related LN(s): LD0.DEFLRDIR3.LN type: DEFLRDIR3_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Dir	ABBIED600_Rev1_ACD_simple	Direction		
ChrAng	ABBIED600_Rev3_ASG_SG_i	Characteristic angle		
MinFwdAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in forward direction		
MinRvAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in reverse direction		
MaxFwdAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in forward direction		
MaxRvAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in reverse direction		
BlkValA	ABBIED600_Rev3_ASG_SP_i	Minimum operating current		
BlkValV	ABBIED600_Rev3_ASG_SP_i	Minimum op-		

		erating voltage		
PolQty	ABBIED600_Rev1_ENG_SP_PolQty	Polarizing quantity		
InRcaCtl	ABBIED600_Rev1_SPS_e	Relay characteristic angle control	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpModEF	ABBIED600_Rev2_ENG_SG_OpModEF_e	Operation criteria	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CorAng	ABBIED600_Rev3_ASG_SP_i_e	Correction angle	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RevPol	ABBIED600_Rev1_SPG_SP_e	Rotate polarizing quantity	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpAEF	ABBIED600_Rev3_MV_simple_i_e	Operating current for EF protection	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpPolAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating and polarizing quantity	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating angle and characteristic angle	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VResSigSel	ABBIED600_Rev2_ENG_SP_VResSigSel_e	Selection for used Uo signal	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.196 3.2.196 LN: DEFLPTOC4 Name: PTOC (ED2,ED1)

Related LN(s): LD0.DEFLPTOC4.LN type: DEFLPTOC4_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		

NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
TmACrv	ABBIED600_Rev2_CURVE_SG	Curve parameter E		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Selection of reset curve type		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod	Directional Mode		
VStr	ABBIED600_Rev3_ASG_SG_i_e	Voltage start value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for scaling the start value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AllwNonDir	ABBIED600_Rev1_SPG_SP_e	Allows prot activation as non-dir when dir info is invalid	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Selects used measurement mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

InEnaMult	ABBIED600_Rev1_SPS_e	Enables current multiplier	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
EnaVLim	ABBIED600_Rev1_SPG_SG_e	Enable voltage limit	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AResSigSel	ABBIED600_Rev2_ENG_SP_AResSigSel_e	Selection for used Io signal	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.197 3.2.197 LN: DEFLRDIR4 Name: RDIR (ED2,ED1)

Related LN(s): LD0.DEFLRDIR4.LN type: DEFLRDIR4_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Dir	ABBIED600_Rev1_ACD_simple	Direction		
ChrAng	ABBIED600_Rev3_ASG_SG_i	Characteristic angle		
MinFwdAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in forward direction		
MinRvAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in reverse direction		
MaxFwdAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in		

		forward direction		
MaxRvAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in reverse direction		
BlkValA	ABBIED600_Rev3_ASG_SP_i	Minimum operating current		
BlkValV	ABBIED600_Rev3_ASG_SP_i	Minimum operating voltage		
PolQty	ABBIED600_Rev1_ENG_SP_PolQty	Polarizing quantity		
InRcaCtl	ABBIED600_Rev1_SPS_e	Relay characteristic angle control	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpModEF	ABBIED600_Rev2_ENG_SG_OpModEF_e	Operation criteria	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CorAng	ABBIED600_Rev3_ASG_SP_i_e	Correction angle	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RevPol	ABBIED600_Rev1_SPG_SP_e	Rotate polarizing quantity	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpAEF	ABBIED600_Rev3_MV_simple_i_e	Operating current for EF protection	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpPolAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating and polarizing quantity	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating angle and characteristic angle	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VResSigSel	ABBIED600_Rev2_ENG_SP_VResSigSel_e	Selection for used Uo signal	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.198 3.2.198 LN: DEFHPTOC3 Name: PTOC (ED2,ED1)

Related LN(s): LD0.DEFHPTOC3.LN type: DEFHPTOC3_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
TmACrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Selection of reset curve type		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod	Directional Mode		
VStr	ABBIED600_Rev3_ASG_SG_i_e	Voltage start value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for scaling the	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

		start value		
AllwNonDir	ABBIED600_Rev1_SPG_SP_e	Allows prot activation as non-dir when dir info is invalid	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Selects used measurement mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
InEnaMult	ABBIED600_Rev1_SPS_e	Enables current multiplier	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
EnaVLim	ABBIED600_Rev1_SPG_SG_e	Enable voltage limit	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AResSigSel	ABBIED600_Rev2_ENG_SP_AResSigSel_e	Selection for used Io signal	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.199 3.2.199 LN: DEFHRDIR3 Name: RDIR (ED2,ED1)

Related LN(s): LD0.DEFHRDIR3.LN type: DEFHRDIR3_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Dir	ABBIED600_Rev1_ACD_simple	Direction		
ChrAng	ABBIED600_Rev3_ASG_SG_i	Characteristic angle		
MinFwdAng	ABBIED600_Rev3_ASG_SG_i	Minimum		

		phase angle in forward direction		
MinRvAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in reverse direction		
MaxFwdAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in forward direction		
MaxRvAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in reverse direction		
BlkValA	ABBIED600_Rev3_ASG_SP_i	Minimum operating current		
BlkValV	ABBIED600_Rev3_ASG_SP_i	Minimum operating voltage		
PolQty	ABBIED600_Rev1_ENG_SP_PolQty	Polarizing quantity		
InRcaCtl	ABBIED600_Rev1_SPS_e	Relay characteristic angle control	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpModEF	ABBIED600_Rev2_ENG_SG_OpModEF_e	Operation criteria	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CorAng	ABBIED600_Rev3_ASG_SP_i_e	Correction angle	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RevPol	ABBIED600_Rev1_SPG_SP_e	Rotate polarizing quantity	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpAEF	ABBIED600_Rev3_MV_simple_i_e	Operating current for EF protection	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpPolAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating and	E	dataNs: REx615 MICS:2014>IEC

		polarizing quantity		61850-7-4:2003
OpChrAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating angle and characteristic angle	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VResSigSel	ABBIED600_Rev2_ENG_SP_VResSigSel_e	Selection for used Uo signal	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.200 3.2.200 LN: DEFHPTOC4 Name: PTOC (ED2,ED1)

Related LN(s): LD0.DEFHPTOC4.LN type: DEFHPTOC4_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
TmACrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Selection of reset curve type		

RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod	Directional Mode		
VStr	ABBIED600_Rev3_ASG_SG_i_e	Voltage start value	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for scaling the start value	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AllwNonDir	ABBIED600_Rev1_SPG_SP_e	Allows prot activation as non-dir when dir info is invalid	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Selects used measurement mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
InEnaMult	ABBIED600_Rev1_SPS_e	Enables current multiplier	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
EnaVLim	ABBIED600_Rev1_SPG_SG_e	Enable voltage limit	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AResSigSel	ABBIED600_Rev2_ENG_SP_AResSigSel_e	Selection for used Io signal	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.201 3.2.201 LN: DEFHRDIR4 Name: RDIR (ED2,ED1)

Related LN(s): LD0.DEFHRDIR4.LN type: DEFHRDIR4_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks

Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Dir	ABBIED600_Rev1_ACD_simple	Direction		
ChrAng	ABBIED600_Rev3_ASG_SG_i	Characteristic angle		
MinFwdAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in forward direction		
MinRvAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in reverse direction		
MaxFwdAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in forward direction		
MaxRvAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in reverse direction		
BlkValA	ABBIED600_Rev3_ASG_SP_i	Minimum operating current		
BlkValV	ABBIED600_Rev3_ASG_SP_i	Minimum operating voltage		
PolQty	ABBIED600_Rev1_ENG_SP_PolQty	Polarizing quantity		
InRcaCtl	ABBIED600_Rev1_SPS_e	Relay characteristic angle control	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpModEF	ABBIED600_Rev2_ENG_SG_OpModEF_e	Operation criteria	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CorAng	ABBIED600_Rev3_ASG_SP_i_e	Correction an-	E	dataNs: REx615

		gle			MICS:2014>IEC 61850-7-4:2003
RevPol	ABBIED600_Rev1_SPG_SP_e	Rotate polarizing quantity	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
OpAEF	ABBIED600_Rev3_MV_simple_i_e	Operating current for EF protection	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
OpPolAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating and polarizing quantity	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating angle and characteristic angle	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
VResSigSel	ABBIED600_Rev2_ENG_SP_VResSigSel_e	Selection for used Uo signal	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.202 3.2.202 LN: PHPTUC1 Name: PTUC (ED2,ED1)

Related LN(s): LD0.PHPTUC1.LN type: PHPTUC1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
StrVal	ABBIED600_Rev3_ASG_SG_i	Current setting/Start value high		

OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
BlkValA	ABBIED600_Rev3_ASG_SG_i	Current setting/Start value low		
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpModPh	ABBIED600_Rev2_ENG_SP_OpModPh_e	Operation mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.203 3.2.203 LN: PHPTUC2 Name: PTUC (ED2,ED1)

Related LN(s): LD0.PHPTUC2.LN type: PHPTUC2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
StrVal	ABBIED600_Rev3_ASG_SG_i	Current setting/Start value high		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay		

		Time		
BlkValA	ABBIED600_Rev3_ASG_SG_i	Current setting/Start value low		
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpModPh	ABBIED600_Rev2_ENG_SP_OpModPh_e	Operation mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.204 3.2.204 LN: DPSRDIR2 Name: RDIR (ED2,ED1)

Related LN(s): LD0.DPSRDIR2.LN type: DPSRDIR2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Dir	ABBIED600_Rev1_ACD_simple	Direction		
ChrAng	ABBIED600_Rev3_ASG_SG_i	Characteristic angle		
MinFwdAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in forward direction		
MinRvAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in reverse direction		
MaxFwdAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in		

		forward direction		
MaxRvAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in reverse direction		
BlkValA	ABBIED600_Rev3_ASG_SP_i	Min operate current		
BlkValV	ABBIED600_Rev3_ASG_SP_i	Min operate voltage		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod_e	Directional Mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating angle and characteristic angle	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
RelDlTmms	ABBIED600_Rev1_ING_SG_e	Release Delay Time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
RsDlTmms	ABBIED600_Rev1_ING_SP_1_e	Reset Delay Time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.205 3.2.205 LN: FDPHLPTOC1 Name: PTOC (ED2,ED1)

Related LN(s): LD0.FDPHLPTOC1.LN type: FDPHLPTOC1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary	E	

		outputs		
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
TmACrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Type of Reset Curve		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod	Directional Mode		
InEnaMult	ABBIED600_Rev1_SPS_e	Enable signal for current multiplier	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
NumPh	ABBIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for scaling the start value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_simple_i_e	Ratio of start time / operate time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Measuring mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AllwNonDir	ABBIED600_Rev1_SPG_SP_e	Allows prot activation as non-dir when dir info is invalid	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
NonDir	ABBIED600_Rev1_SPS_e	Forces protection to non-directional	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.206 3.2.206 LN: FDPHLRDIR1 Name: RDIR (ED2,ED1)

Related LN(s): LD0.FDPHLRDIR1.LN type: FDPHLRDIR1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Dir	ABBIED600_Rev1_ACD_threephase	Direction		
ChrAng	ABBIED600_Rev3_ASG_SG_i	Characteristic angle		
MinFwdAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in forward direction		
MinRvAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in reverse direction		
MaxFwdAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in forward direction		
MaxRvAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in reverse direction		
BlkValA	ABBIED600_Rev3_ASG_SP_i	Min operate current		

BlkValV	ABBIED600_Rev3_ASG_SP_i	Min operate voltage		
PolQty	ABBIED600_Rev3_ENG_SG_PolQty	Polarising Quantity		
VMemTmms	ABBIED600_Rev1_ING_SG_e	Voltage memory time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAngPhsA	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase A	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAngPhsB	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase B	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAngPhsC	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase C	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VMemUsedSt	ABBIED600_Rev1_SPS_e	Voltage memory in use status	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.207 3.2.207 LN: FDPHLPTOC2 Name: PTOC (ED2,ED1)

Related LN(s): LD0.FDPHLPTOC2.LN type: FDPHLPTOC2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
TmACrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		

TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Type of Reset Curve		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod	Directional Mode		
InEnaMult	ABBIED600_Rev1_SPS_e	Enable signal for current multiplier	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
NumPh	ABBIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for scaling the start value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_simple_i_e	Ratio of start time / operate time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Measuring mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AllwNonDir	ABBIED600_Rev1_SPG_SP_e	Allows prot activation as non-dir when dir info is invalid	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

NonDir	ABBIED600_Rev1_SPS_e	Forces protec-tion to non-directional	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.208 3.2.208 LN: FDPHLRDIR2 Name: RDIR (ED2,ED1)

Related LN(s): LD0.FDPHLRDIR2.LN type: FDPHLRDIR2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Dir	ABBIED600_Rev1_ACD_threephase	Direction		
ChrAng	ABBIED600_Rev3_ASG_SG_i	Characteristic angle		
MinFwdAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in forward direction		
MinRvAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in reverse direction		
MaxFwdAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in forward direction		
MaxRvAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in reverse direction		
BlkValA	ABBIED600_Rev3_ASG_SP_i	Min operate current		
BlkValV	ABBIED600_Rev3_ASG_SP_i	Min operate voltage		
PolQty	ABBIED600_Rev3_ENG_SG_PolQty	Polarising Quantity		
VMemTmms	ABBIED600_Rev1_ING_SG_e	Voltage memory time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

OpChrAngPhsA	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase A	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAngPhsB	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase B	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAngPhsC	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase C	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VMemUsedSt	ABBIED600_Rev1_SPS_e	Voltage memory in use status	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.209 3.2.209 LN: FDEFLPTOC1 Name: PTOC (ED2,ED1)

Related LN(s): LD0.FDEFLPTOC1.LN type: FDEFLPTOC1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
TmACrv	ABBIED600_Rev2_CURVE_SG	Operating curve type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time dial multiplier		
MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum operate time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate delay time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Selection of		

		reset curve type		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset delay time		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod	Directional mode		
VStr	ABBIED600_Rev3_ASG_SG_i_e	Voltage start value	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for scaling the start value	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AllwNonDir	ABBIED600_Rev1_SPG_SP_e	Allows prot activation as non-dir when dir info is invalid	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Selects used measurement mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
InEnaMult	ABBIED600_Rev1_SPS_e	Enables current multiplier	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
EnaVLim	ABBIED600_Rev1_SPG_SG_e	Enable voltage limit	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AResSigSel	ABBIED600_Rev2_ENG_SP_AResSigSel_e	Selection for used Io signal	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.210 3.2.210 LN: FDEFLRDIR1 Name: RDIR (ED2,ED1)

Related LN(s): LD0.FDEFLRDIR1.LN type: FDEFLRDIR1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Dir	ABBIED600_Rev1_ACD_simple	Direction		
ChrAng	ABBIED600_Rev3_ASG_SG_i	Characteristic angle		
MinFwdAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in forward direction		
MinRvAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in reverse direction		
MaxFwdAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in forward direction		
MaxRvAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in reverse direction		
BlkValA	ABBIED600_Rev3_ASG_SP_i	Minimum operating current		
BlkValV	ABBIED600_Rev3_ASG_SP_i	Minimum operating voltage		
PolQty	ABBIED600_Rev1_ENG_SP_PolQty	Polarizing quantity		
InRcaCtl	ABBIED600_Rev1_SPS_e	Relay characteristic angle control	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpModEF	ABBIED600_Rev2_ENG_SG_OpModEF_e	Operation cri-	E	dataNs: REx615

		teria		MICS:2014>IEC 61850-7-4:2003
CorAng	ABBIED600_Rev3_ASG_SP_i_e	Correction angle	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
RvPol	ABBIED600_Rev1_SPG_SP_e	Rotate polarizing quantity	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpAEF	ABBIED600_Rev3_MV_simple_i_e	Operating current for earth fault protection	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpPolAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating and polarizing quantity	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating and characteristic angle	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VResSigSel	ABBIED600_Rev2_ENG_SP_VResSigSel_e	Selection for used Uo signal	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.211 3.2.211 LN: FDEFLPTOC2 Name: PTOC (ED2,ED1)

Related LN(s): LD0.FDEFLPTOC2.LN type: FDEFLPTOC2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		

TmACrv	ABBIED600_Rev2_CURVE_SG	Operating curve type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time dial multiplier		
MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum operate time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate delay time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Selection of reset curve type		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset delay time		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod	Directional mode		
VStr	ABBIED600_Rev3_ASG_SG_i_e	Voltage start value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for scaling the start value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AllwNonDir	ABBIED600_Rev1_SPG_SP_e	Allows prot activation as non-dir when dir info is invalid	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Selects used measurement mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
InEnaMult	ABBIED600_Rev1_SPS_e	Enables current multiplier	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

EnaVLim	ABBIED600_Rev1_SPG_SG_e	Enable voltage limit	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AResSigSel	ABBIED600_Rev2_ENG_SP_AResSigSel_e	Selection for used Io signal	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.212 3.2.212 LN: FDEFLRDIR2 Name: RDIR (ED2,ED1)

Related LN(s): LD0.FDEFLRDIR2.LN type: FDEFLRDIR2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Dir	ABBIED600_Rev1_ACD_simple	Direction		
ChrAng	ABBIED600_Rev3_ASG_SG_i	Characteristic angle		
MinFwdAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in forward direction		
MinRvAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in reverse direction		
MaxFwdAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in forward direction		
MaxRvAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in reverse direction		

BlkValA	ABBIED600_Rev3_ASG_SP_i	Minimum operating current		
BlkValV	ABBIED600_Rev3_ASG_SP_i	Minimum operating voltage		
PolQty	ABBIED600_Rev1_ENG_SP_PolQty	Polarizing quantity		
InRcaCtl	ABBIED600_Rev1_SPS_e	Relay characteristic angle control	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpModEF	ABBIED600_Rev2_ENG_SG_OpModEF_e	Operation criteria	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
CorAng	ABBIED600_Rev3_ASG_SP_i_e	Correction angle	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
RvPol	ABBIED600_Rev1_SPG_SP_e	Rotate polarizing quantity	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpAEF	ABBIED600_Rev3_MV_simple_i_e	Operating current for earth fault protection	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpPolAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating and polarizing quantity	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating and characteristic angle	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VResSigSel	ABBIED600_Rev2_ENG_SP_VResSigSel_e	Selection for used Uo signal	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.213 3.2.213 LN: INTRPTEF1 Name: PTEF (ED2,ED1)

Related LN(s): LD0.INTRPTEF1.LN type: INTRPTEF1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks

Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
GndStr	ABBIED600_Rev3_ASG_SG_i	Voltage start value		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod	Directional Mode		
OpDlTmms	ABBIED600_Rev1_ING_SG_e	Operate Delay Time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
RsDlTmms	ABBIED600_Rev1_ING_SP_1_e	Reset Delay Time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
BlkValA	ABBIED600_Rev3_ASG_SP_i_e	Minimum operating current	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
InhEF	ABBIED600_Rev1_SPS_e	Block EF	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
PkCntLim	ABBIED600_Rev1_ING_SP_1_e	Min requirement for peak counter before start in IEF mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpModTEF	ABBIED600_Rev3_ENG_SP_OpModTEF_e	Operation mode for func-	E	dataNs REx615 MICS:2014>IEC

		tion			61850-7-4:2003
VResSigSel	ABBIED600_Rev2_ENG_SP_VResSigSel_e	Selection for used Uo signal	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.214 3.2.214 LN: EFPADM1 Name: PADM (ED2,ED1)

Related LN(s): LD0.EFPADM1.LN type: EFPADM1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks	
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD_e	Mode	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Beh	ABBIED600_Rev4_ENS_beh_e	Behaviour	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Health	ABBIED600_Rev4_ENS_health	Health			
NamPlt	ABBIED600_Rev1_LPL_lnNs_1_e	Name plate	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Blk	ABBIED600_Rev1_SPS_simple_e	Block signal for all binary outputs	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Str	ABBIED600_Rev1_ACD_simple_e	Start	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Op	ABBIED600_Rev1_ACT_simple_e	Operate	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
VStr	ABBIED600_Rev3_ASG_SG_i_e	Voltage Start Value	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
OpDlTmms	ABBIED600_Rev1_ING_SG_e	Operate Delay Time	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2	Ratio of start time / operate time			
TstOutCmd	ABBIED600_Rev20_ENC_TstOut	Test control for outputs			

DirMod	ABBIED600_Rev3_ENG_SG_DirMod_e	Directional Mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RsDlTmms	ABBIED600_Rev1_ING_SP_1_e	Reset Delay Time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpModAdm	ABBIED600_Rev2_ENG_SG_OpModAdm	Operation mode		
BlkValA	ABBIED600_Rev3_ASG_SP_i_e	Minimum operating current	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
BlkValV	ABBIED600_Rev3_ASG_SP_i_e	Minimum operating voltage	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CondTiltAng	ABBIED600_Rev3_ASG_SG_i	Conductance tilt angle		
CondFwd	ABBIED600_Rev3_ASG_SG_i	Conductance forward		
CondRv	ABBIED600_Rev3_ASG_SG_i	Conductance reverse		
SusTiltAng	ABBIED600_Rev3_ASG_SG_i	Susceptance tilt angle		
SusFwd	ABBIED600_Rev3_ASG_SG_i	Susceptance forward		
SusRv	ABBIED600_Rev3_ASG_SG_i	Susceptance reverse		
CirclRd	ABBIED600_Rev3_ASG_SG_i	Circle radius		
CirclCond	ABBIED600_Rev3_ASG_SG_i	Circle conductance		
CirclSus	ABBIED600_Rev3_ASG_SG_i	Circle susceptance		
RevPol	ABBIED600_Rev1_SPG_SP	Rotate polarizing quantity		
Cond	ABBIED600_Rev3_MV_simple_i	Measured neutral conductance		

Sus	ABBIED600_Rev3_MV_simple_i	Measured neutral susceptance		
TrgSt	ABBIED600_Rev1_SPS	Signal indicating function triggering		
AResSigSel	ABBIED600_Rev2_ENG_SP_AResSigSel	Selection for used Io signal		
VResSigSel	ABBIED600_Rev2_ENG_SP_VResSigSel	Selection for used Uo signal		
AdmClcMod	ABBIED600_Rev2_ENG_SP_AdmClcMod	Admittance calculation mode		

5.1.215 3.2.215 LN: EFPADM2 Name: PADM (ED2,ED1)

Related LN(s): LD0.EFPADM2.LN type: EFPADM2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD_e	Mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Beh	ABBIED600_Rev4_ENS_beh_e	Behaviour	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_lnNs_1_e	Name plate	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Blk	ABBIED600_Rev1_SPS_simple_e	Block signal for all binary outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Str	ABBIED600_Rev1_ACD_simple_e	Start	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Op	ABBIED600_Rev1_ACT_simple_e	Operate	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

VStr	ABBIED600_Rev3_ASG_SG_i_e	Voltage Start Value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpDlTmms	ABBIED600_Rev1_ING_SG_e	Operate Delay Time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2	Ratio of start time / operate time		
TstOutCmd	ABBIED600_Rev20_ENC_TstOut	Test control for outputs		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod_e	Directional Mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RsDlTmms	ABBIED600_Rev1_ING_SP_1_e	Reset Delay Time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpModAdm	ABBIED600_Rev2_ENG_SG_OpModAdm	Operation mode		
BlkValA	ABBIED600_Rev3_ASG_SP_i_e	Minimum operating current	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
BlkValV	ABBIED600_Rev3_ASG_SP_i_e	Minimum operating voltage	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CondTiltAng	ABBIED600_Rev3_ASG_SG_i	Conductance tilt angle		
CondFwd	ABBIED600_Rev3_ASG_SG_i	Conductance forward		
CondRv	ABBIED600_Rev3_ASG_SG_i	Conductance reverse		
SusTiltAng	ABBIED600_Rev3_ASG_SG_i	Susceptance tilt angle		
SusFwd	ABBIED600_Rev3_ASG_SG_i	Susceptance forward		
SusRv	ABBIED600_Rev3_ASG_SG_i	Susceptance reverse		

CirclRd	ABBIED600_Rev3_ASG_SG_i	Circle radius		
CirclCond	ABBIED600_Rev3_ASG_SG_i	Circle conductance		
CirclSus	ABBIED600_Rev3_ASG_SG_i	Circle susceptance		
RevPol	ABBIED600_Rev1_SPG_SP	Rotate polarizing quantity		
Cond	ABBIED600_Rev3_MV_simple_i	Measured neutral conductance		
Sus	ABBIED600_Rev3_MV_simple_i	Measured neutral susceptance		
TrgSt	ABBIED600_Rev1_SPS	Signal indicating function triggering		
AResSigSel	ABBIED600_Rev2_ENG_SP_AResSigSel	Selection for used Io signal		
VResSigSel	ABBIED600_Rev2_ENG_SP_VResSigSel	Selection for used Uo signal		
AdmClcMod	ABBIED600_Rev2_ENG_SP_AdmClcMod	Admittance calculation mode		

5.1.216 3.2.216 LN: EFPADM3 Name: PADM (ED2,ED1)

Related LN(s): LD0.EFPADM3.LN type: EFPADM3_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD_e	Mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Beh	ABBIED600_Rev4_ENS_beh_e	Behaviour	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Health	ABBIED600_Rev4_ENS_health	Health		

NamPlt	ABBIED600_Rev1_LPL_lnNs_1_e	Name plate	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
Blk	ABBIED600_Rev1_SPS_simple_e	Block signal for all binary outputs	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
Str	ABBIED600_Rev1_ACD_simple_e	Start	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
Op	ABBIED600_Rev1_ACT_simple_e	Operate	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VStr	ABBIED600_Rev3_ASG_SG_i_e	Voltage Start Value	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpDlTmms	ABBIED600_Rev1_ING_SG_e	Operate Delay Time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2	Ratio of start time / operate time		
TstOutCmd	ABBIED600_Rev20_ENC_TstOut	Test control for outputs		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod_e	Directional Mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
RsDlTmms	ABBIED600_Rev1_ING_SP_1_e	Reset Delay Time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpModAdm	ABBIED600_Rev2_ENG_SG_OpModAdm	Operation mode		
BlkValA	ABBIED600_Rev3_ASG_SP_i_e	Minimum operating current	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
BlkValV	ABBIED600_Rev3_ASG_SP_i_e	Minimum operating voltage	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
CondTiltAng	ABBIED600_Rev3_ASG_SG_i	Conductance tilt angle		

CondFwd	ABBIED600_Rev3_ASG_SG_i	Conductance forward		
CondRv	ABBIED600_Rev3_ASG_SG_i	Conductance reverse		
SusTiltAng	ABBIED600_Rev3_ASG_SG_i	Susceptance tilt angle		
SusFwd	ABBIED600_Rev3_ASG_SG_i	Susceptance forward		
SusRv	ABBIED600_Rev3_ASG_SG_i	Susceptance reverse		
CirclRd	ABBIED600_Rev3_ASG_SG_i	Circle radius		
CirclCond	ABBIED600_Rev3_ASG_SG_i	Circle conductance		
CirclSus	ABBIED600_Rev3_ASG_SG_i	Circle susceptance		
RevPol	ABBIED600_Rev1_SPG_SP	Rotate polarizing quantity		
Cond	ABBIED600_Rev3_MV_simple_i	Measured neutral conductance		
Sus	ABBIED600_Rev3_MV_simple_i	Measured neutral susceptance		
TrgSt	ABBIED600_Rev1_SPS	Signal indicating function triggering		
AResSigSel	ABBIED600_Rev2_ENG_SP_AResSigSel	Selection for used Io signal		
VResSigSel	ABBIED600_Rev2_ENG_SP_VResSigSel	Selection for used Uo signal		
AdmClcMod	ABBIED600_Rev2_ENG_SP_AdmClcMod	Admittance calculation mode		

5.1.217 3.2.217 LN: WPSDE1 Name: PSDE (ED2,ED1)

Related LN(s): LD0.WPSDE1.LN type: WPSDE1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
GndStr	ABBIED600_Rev3_ASG_SG_i	Voltage start value		
GndOp	ABBIED600_Rev3_ASG_SG_i	Current start value		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate delay time		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod	Directional mode		
StrVal	ABBIED600_Rev3_ASG_SG_i_e	Power start value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TmACrv	ABBIED600_Rev2_CURVE_SG_setCharact_e	Operating curve type	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TmMult	ABBIED600_Rev3_ASG_SG_i_e	Time multipli-er	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RsDlTmms	ABBIED600_Rev1_ING_SP_1_e	Reset delay time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RefW	ABBIED600_Rev3_ASG_SG_i_e	Reference power	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Measurement mode	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AResSigSel	ABBIED600_Rev2_ENG_SP_AResSigSel_e	Selection for used Io signal	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.218 3.2.218 LN: WRDIR1 Name: RDIR (ED2,ED1)

Related LN(s): LD0.WRDIR1.LN type: WRDIR1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Dir	ABBIED600_Rev1_ACD_simple	Direction information		
ChrAng	ABBIED600_Rev3_ASG_SG_i	Characteristic angle		
BlkValA	ABBIED600_Rev3_ASG_SP_i	Min operate current		
BlkValV	ABBIED600_Rev3_ASG_SP_i	Min operate voltage		
CorAng	ABBIED600_Rev3_ASG_SP_i_e	Correction angle	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
RevPol	ABBIED600_Rev1_SPG_SP_e	Pol reversal	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpPolAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating and	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

		polarizing quantity		
OpChrAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating angle and characteristic angle	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
InRcaCtl	ABBIED600_Rev1_SPS_e	Relay characteristic angle control	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VResSigSel	ABBIED600_Rev2_ENG_SP_VResSigSel_e	Selection for polarization signal	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.219 3.2.219 LN: WMMXU1 Name: MMXU (ED2,ED1)

Related LN(s): LD0.WMMXU1.LN type: WMMXU1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
W	ABBIED600_Rev3_WYE_res_simple_i	Calculated residual power		

5.1.220 3.2.220 LN: WPSDE2 Name: PSDE (ED2,ED1)

Related LN(s): LD0.WPSDE2.LN type: WPSDE2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_simple	Start		

Op	ABBIED600_Rev1_ACT_simple	Operate		
GndStr	ABBIED600_Rev3_ASG_SG_i	Voltage start value		
GndOp	ABBIED600_Rev3_ASG_SG_i	Current start value		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate delay time		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod	Directional mode		
StrVal	ABBIED600_Rev3_ASG_SG_i_e	Power start value	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TmACrv	ABBIED600_Rev2_CURVE_SG_setCharact_e	Operating curve type	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TmMult	ABBIED600_Rev3_ASG_SG_i_e	Time multipli-er	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
RsDlTmms	ABBIED600_Rev1_ING_SP_1_e	Reset delay time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
RefW	ABBIED600_Rev3_ASG_SG_i_e	Reference power	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Measurement mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AResSigSel	ABBIED600_Rev2_ENG_SP_AResSigSel_e	Selection for used Io signal	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.221 3.2.221 LN: WRDIR2 Name: RDIR (ED2,ED1)

Related LN(s): LD0.WRDIR2.LN type: WRDIR2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Dir	ABBIED600_Rev1_ACD_simple	Direction information		
ChrAng	ABBIED600_Rev3_ASG_SG_i	Characteristic angle		
BlkValA	ABBIED600_Rev3_ASG_SP_i	Min operate current		
BlkValV	ABBIED600_Rev3_ASG_SP_i	Min operate voltage		
CorAng	ABBIED600_Rev3_ASG_SP_i_e	Correction angle	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
RevPol	ABBIED600_Rev1_SPG_SP_e	Pol reversal	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpPolAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating and polarizing quantity	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating angle and characteristic angle	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
InRcaCtl	ABBIED600_Rev1_SPS_e	Relay characteristic angle control	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VResSigSel	ABBIED600_Rev2_ENG_SP_VResSigSel_e	Selection for polarization signal	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.222 3.2.222 LN: WMMXU2 Name: MMXU (ED2,ED1)

Related LN(s): LD0.WMMXU2.LN type: WMMXU2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
W	ABBIED600_Rev3_WYE_res_simple_i	Calculated residual power		

5.1.223 3.2.223 LN: WPSDE3 Name: PSDE (ED2,ED1)

Related LN(s): LD0.WPSDE3.LN type: WPSDE3_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
GndStr	ABBIED600_Rev3_ASG_SG_i	Voltage start value		
GndOp	ABBIED600_Rev3_ASG_SG_i	Current start value		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate delay time		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod	Directional mode		
StrVal	ABBIED600_Rev3_ASG_SG_i_e	Power start value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

TmACrv	ABBIED600_Rev2_CURVE_SG_setCharact_e	Operating curve type	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
TmMult	ABBIED600_Rev3_ASG_SG_i_e	Time multiplier	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
RsDlTmms	ABBIED600_Rev1_ING_SP_1_e	Reset delay time	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
RefW	ABBIED600_Rev3_ASG_SG_i_e	Reference power	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Measurement mode	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AResSigSel	ABBIED600_Rev2_ENG_SP_AResSigSel_e	Selection for used Io signal	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.224 3.2.224 LN: WRDIR3 Name: RDIR (ED2,ED1)

Related LN(s): LD0.WRDIR3.LN type: WRDIR3_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Dir	ABBIED600_Rev1_ACD_simple	Direction information		
ChrAng	ABBIED600_Rev3_ASG_SG_i	Characteristic angle		
BlkValA	ABBIED600_Rev3_ASG_SP_i	Min operate current		

BlkValV	ABBIED600_Rev3_ASG_SP_i	Min operate voltage		
CorAng	ABBIED600_Rev3_ASG_SP_i_e	Correction angle	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RevPol	ABBIED600_Rev1_SPG_SP_e	Pol reversal	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpPolAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating and polarizing quantity	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpChrAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating angle and characteristic angle	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
InRcaCtl	ABBIED600_Rev1_SPS_e	Relay characteristic angle control	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VResSigSel	ABBIED600_Rev2_ENG_SP_VResSigSel_e	Selection for polarization signal	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.225 3.2.225 LN: WMMXU3 Name: MMXU (ED2,ED1)

Related LN(s): LD0.WMMXU3.LN type: WMMXU3_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
W	ABBIED600_Rev3_WYE_res_simple_i	Calculated residual power		

5.1.226 3.2.226 LN: HAEFPTOC1 Name: PTOC (ED2,ED1)

Related LN(s): LD0.HAEFPTOC1.LN type: HAEFPTOC1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks

Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
TmACrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOpTmms	ABBIED600_Rev1_ING_SG	Minimum Operate Time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Type of Reset Curve		
RsDlTmms	ABBIED600_Rev1_ING_SP	Reset Delay Time		
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
EnaRef	ABBIED600_Rev1_SPG_SG_e	Enable reference	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
HRmsARef	ABBIED600_Rev3_WYE_res_simple_i_e	Reference current from other IEDs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
BlkARef	ABBIED600_Rev1_SPS_e	Current com-	E	dataNs: REx615 MICS:2014>IEC

		parison status indicator		61850-7-4:2003

5.1.227 3.2.227 LN: HAEFMHAI1 Name: MHAI (ED2,ED1)

Related LN(s): LD0.HAEFMHAI1.LN type: HAEFMHAI1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Hz	ABBIED600_Rev3_MV_simple_i	Basic frequency		
HRmsA	ABBIED600_Rev3_WYE_res_simple_i	Current RMS Harmonic or Inter-harmonics		

5.1.228 3.2.228 LN: PHLPTOC1 Name: PTOC (ED2,ED1)

Related LN(s): LD0.PHLPTOC1.LN type: PHLPTOC1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
TmACrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		

MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Type of Reset Curve		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
InEnaMult	ABBIED600_Rev1_SPS_e	Enable signal for current multiplier	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
NumPh	ABBIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for scaling the start value	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Measuring mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.229 3.2.229 LN: FPHLPTOC1 Name: PTOC (ED2,ED1)

Related LN(s): LD0.FPHLPTOC1.LN type: FPHLPTOC1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		

NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
TmACrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Type of Reset Curve		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
InEnaMult	ABBIED600_Rev1_SPS_e	Enable signal for current multiplier	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
NumPh	ABBIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for scaling the start value	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Measuring mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.230 3.2.230 LN: PHHPTOC1 Name: PTOC (ED2,ED1)

Related LN(s): LD0.PHHPTOC1.LN type: PHHPTOC1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
TmACrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Type of Reset Curve		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
InEnaMult	ABBIED600_Rev1_SPS_e	Enable signal for current multiplier	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
NumPh	ABBIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases re-	E	dataNs REx615 MICS:2014>IEC

		quired for operate activation		61850-7-4:2003
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for scaling the start value	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Measuring mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.231 3.2.231 LN: EFLPTOC1 Name: PTOC (ED2,ED1)

Related LN(s): LD0.EFLPTOC1.LN type: EFLPTOC1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
TmACrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		

OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Type of Reset Curve		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Measurement mode selec-tion	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for operate cur-rent level	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
InEnaMult	ABBIED600_Rev1_SPS_e	Enable current multiplier	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AResSigSel	ABBIED600_Rev2_ENG_SP_AResSigSel_e	Selection for used Io signal	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.232 3.2.232 LN: EFHPTOC1 Name: PTOC (ED2,ED1)

Related LN(s): LD0.EFHPTOC1.LN type: EFHPTOC1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	

Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
TmACrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Type of Reset Curve		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Measurement mode selection	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for operate current level	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
InEnaMult	ABBIED600_Rev1_SPS_e	Enable current multiplier	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
AResSigSel	ABBIED600_Rev2_ENG_SP_AResSigSel_e	Selection for used Io signal	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.233 3.2.233 LN: FEFLPTOC1 Name: PTOC (ED2,ED1)

Related LN(s): LD0.FEFLPTOC1.LN type: FEFLPTOC1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
TmACrv	ABBIED600_Rev2_CURVE_SG	Operating curve type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time dial multiplier		
MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum operate time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate delay time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Type of reset curve		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset delay time		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Measurement mode selection	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for operate current level	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
InEnaMult	ABBIED600_Rev1_SPS_e	Enable current	E	dataNs: REx615 MICS:2014>IEC

		multiplier			61850-7-4:2003
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AResSigSel	ABBIED600_Rev2_ENG_SP_AResSigSel_e	Selection for used Io signal	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.234 3.2.234 LN: PHPTUV3 Name: PTUV (ED2,ED1)

Related LN(s): LD0.PHPTUV3.LN type: PHPTUV3_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
TmVCrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv_e	Type of Reset Curve	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

BlkVal	ABBIED600_Rev3_ASG_SP_i_e	Voltage block value	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
NumPh	ABBIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
CrvSatRl	ABBIED600_Rev1_ASG_SP_f_e	Tuning parameter to avoid curve discontinuities	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VSel	ABBIED600_Rev3_ENG_SP_VSel_e	Parameter to select phase or phase-to-phase voltages	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
EnaBlkVal	ABBIED600_Rev1_SPG_SP_e	Enable block value	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
HysRl	ABBIED600_Rev3_ASG_SP_i_e	Relative hysteresis for operation	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
TypTmRs	ABBIED600_Rev2_ENG_SG_TypTmRs_e	Type of time reset	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.235 3.2.235 LN: PHPTOV3 Name: PTOV (ED2,ED1)

Related LN(s): LD0.PHPTOV3.LN type: PHPTOV3_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		

NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
TmVCrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv_e	Type of Reset Curve	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
NumPh	ABBIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CrvSatRl	ABBIED600_Rev1_ASG_SP_f_e	Tuning parameter to avoid curve discontinuities	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VSel	ABBIED600_Rev3_ENG_SP_VSel_e	Parameter to select phase or	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

		phase-to-phase voltages		
HysRl	ABBIED600_Rev3_ASG_SP_i_e	Relative hysteresis for operation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TypTmRs	ABBIED600_Rev2_ENG_SG_TypTmRs_e	Type of time reset	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.236 3.2.236 LN: NSPTOV1 Name: PTOV (ED2,ED1)

Related LN(s): LD0.NSPTOV1.LN type: NSPTOV1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.237 3.2.237 LN: PSPTUV1 Name: PTUV (ED2,ED1)

Related LN(s): LD0.PSPTUV1.LN type: PSPTUV1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
OpDlTmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDlTmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
BlkVal	ABBIED600_Rev3_ASG_SG_i_e	Voltage block value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
EnaBlkVal	ABBIED600_Rev1_SPG_SG_e	Enable block value	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
HysRl	ABBIED600_Rev3_ASG_SP_i_e	Relative hyste-resis for oper-ation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.238 3.2.238 LN: CMHAI1 Name: MHAI (ED2,ED1)

Related LN(s): LD0.CMHAI1.LN type: CMHAI1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Operation		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Hz	ABBIED600_Rev3_MV_simple_i	Fundamental frequency		
TddA	ABBIED600_Rev3_WYE_threephase_simple_i	Current Total Demand Distortion per IEEE 519		
NomA	ABBIED600_Rev3_ASG_SP_i	Normalising demand current used in IEEE 519 TDD calculation		
Alm	ABBIED600_Rev1_SPS	Alarm		
TddAVal	ABBIED600_Rev3_ASG_SP_i_e	TddA Alarm setting - value entered in %	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RcdRs	ABBIED600_Rev2_SPC_control_e	CMHAI1 max.demands	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
DmdItrv	ABBIED600_Rev2_ENG_SP_dmdItrv_e	Time interval for demand calculation	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
DmdTddA	ABBIED600_Rev3_WYE_threephase_simple_i_e	Current Total Demand Distortion	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

MaxDmdTddA	ABBIED600_Rev3_WYE_threephase_simple_i_e	Maximum current total demand distortion	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
DmdWinMod	ABBIED600_Rev2_ENG_SP_DmdWinMod_e	Demand calculation window	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.239 3.2.239 LN: VMHAI1 Name: MHAI (ED2,ED1)

Related LN(s): LD0.VMHAI1.LN type: VMHAI1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Operation		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	
Hz	ABBIED600_Rev3_MV_simple_i	Fundamental frequency		
ThdPhV	ABBIED600_Rev3_WYE_threephase_simple_i	Voltage Total Harmonic Distortion per IEEE 519		
ThdVVal	ABBIED600_Rev3_ASG_SP_i	ThdPhV / ThdPPV alarm Setting – value entered in %		
Alm	ABBIED600_Rev1_SPS	Alarm		
RcdRs	ABBIED600_Rev2_SPC_control_e	VMHAI1 max.demands	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
DmdItrv	ABBIED600_Rev2_ENG_SP_dmdItrv_e	Time interval	EE	dataN: REx615

		for demand calculation		s	MICS:2014>IEC 61850-7-4:2003
DmdThdPhV	AB-BIED600_Rev3_WYE_threephase_simple_i_e	Voltage Total Harmonic Distortion	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
MaxDmdThdV	AB-BIED600_Rev3_WYE_threephase_simple_i_e	Maximum voltage total harmonic distortion	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
DmdWinMod	ABBIED600_Rev2_ENG_SP_DmdWinMod_e	Demand calculation window	EE	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.240 3.2.240 LN: PH1QVVR1 Name: QVVR (ED2,ED1)

Related LN(s): LD0.PH1QVVR1.LN type: PH1QVVR1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
VarStr	ABBIED600_Rev1_SPS	Start Phase A (Voltage Variation Event in progress)		
DipStr	ABBIED600_Rev1_SPS	Start (Voltage Dip Event in progress)		
SwlStr	ABBIED600_Rev1_SPS	Start (Voltage Swell Event in progress)		
IntrStr	ABBIED600_Rev1_SPS	Start (Voltage		

		Interruption Event in progress)		
VarEnd	ABBIED600_Rev1_SPS	Event finished but not Reset		
VVa	ABBIED600_Rev3_MV_simple_i	Voltage Variation Magnitude of the last completed event		
VVaTm	ABBIED600_Rev3_MV_simple_i	Voltage Variation Duration of the last completed event		
OpCntRs	ABBIED600_Rev2_INC_control_int	Resettable operation counter		
DipStrVal	ABBIED600_Rev3_ASG_SG_i	Voltage Dip Set Point 1		
DipStr2Val	ABBIED600_Rev3_ASG_SG_i_e	Voltage Dip Set Point 2	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
DipStr3Val	ABBIED600_Rev3_ASG_SG_i_e	Voltage Dip Set Point 3	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
SwlStrVal	ABBIED600_Rev3_ASG_SG_i	Voltage Swell Set Point 1		
SwlStr2Val	ABBIED600_Rev3_ASG_SG_i_e	Voltage Swell Set Point 2	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
SwlStr3Val	ABBIED600_Rev3_ASG_SG_i_e	Voltage Swell Set Point 3	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
IntrStrVal	ABBIED600_Rev3_ASG_SG_i	Voltage Interruption Set Point		
RefV	ABBIED600_Rev3_ASG_SG_i_e	Reference	E	dataNs: REx615

		supply voltage in %			MICS:2014>IEC 61850-7-4:2003
Dip1Cyc	ABBIED600_Rev3_ASG_SG_i_e	Voltage variation dip duration 1	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Dip2Cyc	ABBIED600_Rev3_ASG_SG_i_e	Voltage variation dip duration 2	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Dip3Tmms	ABBIED600_Rev1_ING_SG_e	Voltage variation dip duration 3	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Swl1Cyc	ABBIED600_Rev3_ASG_SG_i_e	Voltage variation swell duration 1	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Swl2Cyc	ABBIED600_Rev3_ASG_SG_i_e	Voltage variation swell duration 2	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Swl3Tmms	ABBIED600_Rev1_ING_SG_e	Voltage variation swell duration 3	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Intr1Cyc	ABBIED600_Rev3_ASG_SG_i_e	Voltage variation interruption duration 1	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Intr2Cyc	ABBIED600_Rev3_ASG_SG_i_e	Voltage variation interruption duration 2	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Intr3Tmms	ABBIED600_Rev1_ING_SG_e	Voltage variation interruption duration 3	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
MaxDurTmms	ABBIED600_Rev1_ING_SG_e	Maximum voltage variation duration	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
SwlOp	ABBIED600_Rev1_SPS_e	Voltage Event Swell detected	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
DipOp	ABBIED600_Rev1_SPS_e	Voltage Event Dip detected	E	dataNs	REx615 MICS:2014>IEC

					61850-7-4:2003
IntrOp	ABBIED600_Rev1_SPS_e	Voltage Event Interruption detected	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
APreVa	ABBIED600_Rev3_MV_simple_i_e	Current magnitude Ph A preceding variation	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
SwlInstCnt	ABBIED600_Rev1_INS_e	Instantaneous swell operation counter	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
SwlMomCnt	ABBIED600_Rev1_INS_e	Momentary swell operation counter	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
SwlTmpCnt	ABBIED600_Rev1_INS_e	Temporary swell operation counter	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
SwlMaxCnt	ABBIED600_Rev1_INS_e	Maximum duration swell operation counter	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
DipInstCnt	ABBIED600_Rev1_INS_e	Instantaneous dip operation counter	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
DipTmpCnt	ABBIED600_Rev1_INS_e	Temporary dip operation counter	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
DipMomCnt	ABBIED600_Rev1_INS_e	Momentary dip operation counter	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
DipMaxCnt	ABBIED600_Rev1_INS_e	Maximum duration dip operation counter	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
IntrMomCnt	ABBIED600_Rev1_INS_e	Momentary interruption op-	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

		eration counter		
IntrTmpCnt	ABBIED600_Rev1_INS_e	Temporary interruption operation counter	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
IntrSstCnt	ABBIED600_Rev1_INS_e	Sustained interruption operation counter	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
IntrMaxCnt	ABBIED600_Rev1_INS_e	Maximum duration interruptionl operation counter	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CntRs	ABBIED600_Rev2_SPC_control_e	Counters reset	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PhSpvn	ABBIED600_Rev2_ENG_SP_PhSv_e	Monitored phase	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpModPh	ABBIED600_Rev2_ENG_SP_OpModPh_e	Phase mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VVaEna	ABBIED600_Rev3_ENG_SP_VVaTyp_e	Variation enable	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VaOp	ABBIED600_Rev1_SPS_e	Voltage Event detected	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VaStrGen	ABBIED600_Rev1_SPS_e	Start (Voltage Variation Event in progress)	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VVaTyp	ABBIED600_Rev3_ENS_VVaTyp_e	Voltage variation type	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RcdRs	ABBIED600_Rev2_SPC_control_e	Recorded data reset	E	dataNs: REx615 MICS:2014>IEC

				61850-7-4:2003

5.1.241 3.2.241 LN: PH2QVVR1 Name: QVVR (ED2,ED1)

Related LN(s): LD0.PH2QVVR1.LN type: PH2QVVR1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
VarStr	ABBIED600_Rev1_SPS	Start Phase B (Voltage Variation Event in progress)		
VVa	ABBIED600_Rev3_MV_simple_i	Voltage Variation Magnitude of the last completed event		
VVaTm	ABBIED600_Rev3_MV_simple_i	Voltage Variation Duration of the last completed event		
APreVa	ABBIED600_Rev3_MV_simple_i_e	Current magnitude Phase B preceding variation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.242 3.2.242 LN: PH3QVVR1 Name: QVVR (ED2,ED1)

Related LN(s): LD0.PH3QVVR1.LN type: PH3QVVR1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
VarStr	ABBIED600_Rev1_SPS	Start Phase C (Voltage Variation Event in progress)		

VVa	ABBIED600_Rev3_MV_simple_i	Voltage Variation Magnitude of the last completed event		
VVaTm	ABBIED600_Rev3_MV_simple_i	Voltage Variation Duration of the last completed event		
APreVa	ABBIED600_Rev3_MV_simple_i_e	Current magnitude Ph C preceding vari-ation	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.243 3.2.243 LN: QVV1RQRC1 Name: RQRC (ED2,ED1)

Related LN(s): LD0.QVV1RQRC1.LN type: QVV1RQRC1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On_e	Mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
Beh	ABBIED600_Rev4_ENS_beh_e	Behaviour	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_lnNs_1_e	Name plate	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VVaTyp	ABBIED600_Rev3_ENS_VVaTyp_e	Voltage variation type	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VVaPhsA	ABBIED600_Rev3_MV_simple_i_e	VVa Magn phase A of the newest completed event	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VVaPhsB	ABBIED600_Rev3_MV_simple_i_e	VVa Magn phase B of the newest completed event	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VVaPhsC	ABBIED600_Rev3_MV_simple_i_e	VVa Magn phase C of the newest completed event	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VVaTmPhsA	ABBIED600_Rev3_MV_simple_i_e	VVa Phase A Dur of the newest	E	dataNs REx615 MICS:2014>IEC

		completed event		61850-7-4:2003
VVaTmPhsB	ABBIED600_Rev3_MV_simple_i_e	VVa Phase B Dur of the newest completed event	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VVaTmPhsC	ABBIED600_Rev3_MV_simple_i_e	VVa Phase C Dur of the newest completed event	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
APreVaPhsA	ABBIED600_Rev3_MV_simple_i_e	I_A preceding Va start of the newest completed event	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
APreVaPhsB	ABBIED600_Rev3_MV_simple_i_e	I_B preceding Va start of the newest completed event	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
APreVaPhsC	ABBIED600_Rev3_MV_simple_i_e	I_C preceding Va start of the newest completed event	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.244 3.2.244 LN: QVV2RQRC1 Name: RQRC (ED2,ED1)

Related LN(s): LD0.QVV2RQRC1.LN type: QVV2RQRC1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On_e	Mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
Beh	ABBIED600_Rev4_ENS_beh_e	Behaviour	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_lnNs_1_e	Name plate	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VVaTyp	ABBIED600_Rev3_ENS_VVaTyp_e	Voltage variation type	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

VVaPhsA	ABBIED600_Rev3_MV_simple_i_e	VVa Magn phase A of the second newest completed event	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VVaPhsB	ABBIED600_Rev3_MV_simple_i_e	VVa Magn phase B of the second newest completed event	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VVaPhsC	ABBIED600_Rev3_MV_simple_i_e	VVa Magn phase C of the second newest completed event	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VVaTmPhsA	ABBIED600_Rev3_MV_simple_i_e	VVa Phase A Dur of the second newest completed event	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VVaTmPhsB	ABBIED600_Rev3_MV_simple_i_e	VVa Phase B Dur of the second newest completed event	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VVaTmPhsC	ABBIED600_Rev3_MV_simple_i_e	VVa Phase C Dur of the second newest completed event	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
APreVaPhsA	ABBIED600_Rev3_MV_simple_i_e	I_A preceding Va start of the 2nd newest completed event	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
APreVaPhsB	ABBIED600_Rev3_MV_simple_i_e	I_B preceding Va start of the 2nd newest completed event	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
APreVaPhsC	ABBIED600_Rev3_MV_simple_i_e	I_C preceding Va start of the 2nd newest completed event	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.245 3.2.245 LN: QVV3RQRC1 Name: RQRC (ED2,ED1)

Related LN(s): LD0.QVV3RQRC1.LN type: QVV3RQRC1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On_e	Mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
Beh	ABBIED600_Rev4_ENS_beh_e	Behaviour	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_lnNs_1_e	Name plate	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VVaTyp	ABBIED600_Rev3_ENS_VVaTyp_e	Voltage variation type	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VVaPhsA	ABBIED600_Rev3_MV_simple_i_e	VVa Magn phase A of the third newest completed event	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VVaPhsB	ABBIED600_Rev3_MV_simple_i_e	VVa Magn phase B of the third newest completed event	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VVaPhsC	ABBIED600_Rev3_MV_simple_i_e	VVa Magn phase C of the third newest completed event	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VVaTmPhsA	ABBIED600_Rev3_MV_simple_i_e	VVa Phase A Dur of the third new-est completed event	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VVaTmPhsB	ABBIED600_Rev3_MV_simple_i_e	VVa Phase B Dur of the third new-est completed event	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

VVaTmPhsC	ABBIED600_Rev3_MV_simple_i_e	VVa Phase C Dur of the third newest completed event	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
APreVaPhsA	ABBIED600_Rev3_MV_simple_i_e	I_A preceding Va start of the 3rd newest completed event	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
APreVaPhsB	ABBIED600_Rev3_MV_simple_i_e	I_B preceding Va start of the 3rd newest completed event	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
APreVaPhsC	ABBIED600_Rev3_MV_simple_i_e	I_C preceding Va start of the 3rd newest completed event	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.246 3.2.246 LN: VSQVUB1 Name: QVUB (ED2,ED1)

Related LN(s): LD0.VSQVUB1.LN type: VSQVUB1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev3_LPL_1tsg_setCal	Name plate		lnNs: IEC 61850-7-4:2007 cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_LPL_1tsg_setCal occ: 2011 occType: 0 occPer: 4 weekDay: 0 month: 1 day: 1

				hr: 0 mn: 0
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
VarStr	ABBIED600_Rev1_SPS	Start of the event		
MaxVVa	ABBIED600_Rev3_MV_simple_i	Maximum unbalance deviation value		
UnbDetMth	ABBIED600_Rev1_ENG_SP_UnbDetMth	Unbalance detection method		
StrVal	ABBIED600_Rev3_ASG_SP_i	Voltage unbalance start value		
TrgModPQ	ABBIED600_Rev2_ENG_SP_TrgModPQ_e	Observation period triggering mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ObsPerSel	ABBIED600_Rev2_ENG_SP_ObsPerSel_e	Observation period duration	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ObsPerUsr	ABBIED600_Rev1_ING_SP_1_e	User defined observation period	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
HiPctVUnb	ABBIED600_Rev1_SPS_e	Status percentile unbalance exceeds the limit	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

ObsPerAct	ABBIED600_Rev1_SPS_e	Observation period for statistical calculation active	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PctUnbVal	ABBIED600_Rev3_MV_simple_i_e	Percentile value of voltage unbalance in an observation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VUnb3sMn	ABBIED600_Rev3_MV_simple_i_e	Non sliding 3 second mean value of voltage unbalance	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VUnb10mMn	ABBIED600_Rev3_MV_simple_i_e	Sliding 10 minutes mean value of voltage unbalance	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PctUnb	ABBIED600_Rev3_ASG_SP_i_e	Percentile Index	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ObsPerStr	ABBIED600_Rev1_SPS_simple_e	Observation Start	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ObsPerEnd	ABBIED600_Rev1_SPS_simple_e	Observation End	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TestOth	ABBIED600_Rev1_ENC_TestOth_e	Test Outputs	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TrgObsPer	ABBIED600_Rev2_SPC_control_e	Trigger for observation period	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RcdRs	ABBIED600_Rev2_SPC_control_e	Recorded	E	dataNs: REx615 MICS:2014>IEC

		data reset		61850-7-4:2003
PerStrDate	ABBIED600_Rev3_TSG_SP_setCal_e	Observation start time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ObsYear	ABBIED600_Rev1_ING_SP_1_e	Observation start year	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ObsMonth	ABBIED600_Rev1_ING_SP_setCalMonth_e	Observation month	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ObsDay	ABBIED600_Rev1_ING_SP_1_e	Observation day	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ObsTmh	ABBIED600_Rev1_ING_SP_1_e	Observation hour	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.247 3.2.247 LN: QVU1RQRC1 Name: RQRC (ED2,ED1)

Related LN(s): LD0.QVU1RQRC1.LN type: QVU1RQRC1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On_e	Mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
Beh	ABBIED600_Rev4_ENS_beh_e	Behaviour	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_lnNs_1_e	Name Plate	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
MaxVVa	ABBIED600_Rev3_MV_simple_i_e	Maximum unbalance deviation value	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VVaTm	ABBIED600_Rev3_MV_simple_i_e	Duration of newest high mean unbalance voltage alarm	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.248 3.2.248 LN: QVU2RQRC1 Name: RQRC (ED2,ED1)

Related LN(s): LD0.QVU2RQRC1.LN type: QVU2RQRC1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On_e	Mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
Beh	ABBIED600_Rev4_ENS_beh_e	Behaviour	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_lnNs_1_e	Name Plate	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
MaxVVa	ABBIED600_Rev3_MV_simple_i_e	Maximum unbalance deviation value	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VVaTm	ABBIED600_Rev3_MV_simple_i_e	Duration of second newest high mean unbalance Volt alarm	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.249 3.2.249 LN: QVU3RQRC1 Name: RQRC (ED2,ED1)

Related LN(s): LD0.QVU3RQRC1.LN type: QVU3RQRC1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On_e	Mode	EE	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
Beh	ABBIED600_Rev4_ENS_beh_e	Behaviour	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_lnNs_1_e	Name Plate	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
MaxVVa	ABBIED600_Rev3_MV_simple_i_e	Maximum unbalance deviation value	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

VVaTm	ABBIED600_Rev3_MV_simple_i_e	Duration of third newest high mean unbalance Volt alarm	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.250 3.2.250 LN: IL1TCTR1 Name: TCTR (ED2,ED1)

Related LN(s): LD0.IL1TCTR1, LD0.IL2TCTR1, LD0.IL3TCTR1.LN type: ILTCTR1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Mode		
Health	ABBIED600_Rev4_ENS_health	Mode		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
AmpSv	ABBIED600_Rev1_SAV_92_lite	Current (Sampled value) phase A		
ARtg	ABBIED600_Rev3_ASG_SP_ARtg_VRtg	Primary rated current		
Cor	ABBIED600_Rev1_ASG_SP_f	Phase A Current phasor magni-tude correction of an external current trans-former		
AngCor	ABBIED600_Rev3_ASG_SP_i	Phase A Current phasor angle cor-rection of an ex-ternal current transformer		
Alm	ABBIED600_Rev1_SPS_e	Alarm	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Wrn	ABBIED600_Rev1_SPS_e	Warning	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ARtgScy	ABBIED600_Rev2_ENG_SP_ARtgSec_e	Secondary rated	E	dataNs: REx615

		current			MICS:2014>IEC 61850-7-4:2003
ARtgNom	ABBIED600_Rev1_ASG_SP_f_e	Network Nominal Current	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
VRtgScyRat	ABBIED600_Rev1_ASG_SP_f_e	Rated Secondary Value	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
RevPol	ABBIED600_Rev1_SPG_SP_e	Reverse polarity	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.251 3.2.251 LN: RESTCTR1 Name: TCTR (ED2,ED1)

Related LN(s): LD0.RESTCTR1.LN type: RESTCTR1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks	
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode			
Beh	ABBIED600_Rev4_ENS_beh	Mode			
Health	ABBIED600_Rev4_ENS_health	Mode			
NamPlt	ABBIED600_Rev2_LPL_InNs_Ed2	Name plate			
AmpSv	ABBIED600_Rev1_SAV_92_lite	Current (Sampled value)			
ARtg	ABBIED600_Rev3_ASG_SP_ARtg_VRtg	Primary rated current			
Cor	ABBIED600_Rev1_ASG_SP_f	Current phasor magnitude correction of an external current transformer			
AngCor	ABBIED600_Rev3_ASG_SP_i	Residual Current phasor angle correction of an external current transformer			
Alm	ABBIED600_Rev1_SPS_e	Alarm	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

Wrn	ABBIED600_Rev1_SPS_e	Warning	EE	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ARtgScy	ABBIED600_Rev2_ENG_SP_ARtgSec_e	Secondary rated current	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
RevPol	ABBIED600_Rev1_SPG_SP_e	Reverse polarity	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.252 3.2.252 LN: XGGIO120 Name: GGIO (ED2,ED1)

Related LN(s): LD0.XGGIO120.LN type: XGGIO120_ED1_ED2.

Attrib-ute name	Attribute type	Explana-tion	M/O/E	Remarks
Mod	AB-BIED600_Rev1_ENC_Mod_OnOff_NoBlk	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Ind1	ABBIED600_Rev1_SPS	X120-Input 1		
Ind2	ABBIED600_Rev1_SPS	X120-Input 2		
Ind3	ABBIED600_Rev1_SPS	X120-Input 3		
Ind4	ABBIED600_Rev1_SPS	X120-Input 4		
FilTmms1	ABBIED600_Rev1_ING_SP_1_e	Input 1 filter time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
FilTmms2	ABBIED600_Rev1_ING_SP_1_e	Input 2 filter time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
FilTmms3	ABBIED600_Rev1_ING_SP_1_e	Input 3 filter time	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

FilTmms 4	ABBIED600_Rev1_ING_SP_1_e	Input 4 filter time	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
DigInInv 1	ABBIED600_Rev1_SPG_SP_e	Input 1 inversion	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
DigInInv 2	ABBIED600_Rev1_SPG_SP_e	Input 2 inversion	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
DigInInv 3	ABBIED600_Rev1_SPG_SP_e	Input 3 inversion	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
DigInInv 4	ABBIED600_Rev1_SPG_SP_e	Input 4 inversion	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
CardNam	ABBIED600_Rev8_DPL_eeprom_2_ED2_e	Card information	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
				cdcNs	REx615 MICS:2014>IEC 61850-7-4:2003
				cdcName	ABBIED600_DPL_eeprom_2
				eManDate	ABB
				eTestStatId	ABB
				eTesterId	ABB
				eTestDate	ABB
				eHwId	ABB
HwId	ABBIED600_Rev1_LPL_VSS_1_20_e	HW module	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
TestStatId	ABBIED600_Rev1_LPL_VSS_dU_20_e	Testing	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.253 3.2.253 LN: UL1TVTR1 Name: TVTR (ED2,ED1)

Related LN(s): LD0.UL1TVTR1, LD0.UL2TVTR1, LD0.UL3TVTR1.LN type: UL-TVTR1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Mode		
Health	ABBIED600_Rev4_ENS_health	Mode		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
VolSv	ABBIED600_Rev1_SAV_92_lite	Voltage (sam-		

		pled value) phase A		
FuFail	ABBIED600_Rev1_SPS	TVTR fuse failure		
VRtg	ABBIED600_Rev3_ASG_SP_ARtg_VRtg	Primary rated voltage		
Rat	ABBIED600_Rev1_ASG_SP_f	Division ratio		
Cor	ABBIED600_Rev1_ASG_SP_f	Amplitude corr. A		
AngCor	ABBIED600_Rev3_ASG_SP_i	Angle corr. A		
Alm	ABBIED600_Rev1_SPS_e	Alarm	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
Wrn	ABBIED600_Rev1_SPS_e	Warning	EE	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VRtgScy	ABBIED600_Rev1_ASG_SP_f_e	Secondary rated voltage	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VConnTyp	ABBIED600_Rev3_ENG_SP_ConnType_e	VT connection	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VInTyp	ABBIED600_Rev2_ENG_SP_AnInType_e	Type of the voltage input	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.254 3.2.254 LN: XSGGIO130 Name: GGIO (ED2,ED1)

Related LN(s): LD0.XSGGIO130.LN type: XSGGIO130_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_OnOff_NoBlk	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name		

		plate		
CardNam	AB-BIED600_Rev8_DPL_eeprom_2_ED2_e	Card information	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: AB-BIED600_DPL_eeprom_2 eManDate: ABB eTestStatId: ABB eTesterId: ABB eTestDate: ABB eHwId: ABB
HwId	ABBIED600_Rev1_LPL_VSS_1_20_e	HW module	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TestStatId	ABBIED600_Rev1_LPL_VSS_dU_20_e	Testing	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.255 3.2.255 LN: UL1TVTR2 Name: TVTR (ED2,ED1)

Related LN(s): LD0.UL1TVTR2, LD0.UL2TVTR2, LD0.UL3TVTR2.LN type: UL-TVTR2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Mode		
Health	ABBIED600_Rev4_ENS_health	Mode		
NamPlt	ABBIED600_Rev2_LPL_InNs_Ed2	Name plate		
VolSv	ABBIED600_Rev1_SAV_92_lite	Voltage (sampled value) phase A		
FuFail	ABBIED600_Rev1_SPS	TVTR fuse failure		
VRtg	ABBIED600_Rev3_ASG_SP_ARtg_VRtg	Primary rated voltage		
Rat	ABBIED600_Rev1_ASG_SP_f	Division ratio		
Cor	ABBIED600_Rev1_ASG_SP_f	Phase A Voltage phasor magnitude correction		

		of an external voltage trans-former		
AngCor	ABBIED600_Rev3_ASG_SP_i	Angle corr. A		
Alm	ABBIED600_Rev1_SPS_e	Alarm	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
Wrn	ABBIED600_Rev1_SPS_e	Warning	EE	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VRtgScy	ABBIED600_Rev1_ASG_SP_f_e	Secondary rated voltage	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VConnTyp	ABBIED600_Rev3_ENG_SP_ConnType_e	VT connection	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VInTyp	ABBIED600_Rev2_ENG_SP_AnInType_e	Type of the volt-age input	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.256 3.2.256 LN: VSMSQI1 Name: MSQI (ED2,ED1)

Related LN(s): LD0.VSMSQI1.LN type: VSMSQI1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
SeqV	ABBIED600_Rev3_SEQ_2	Positive, Negative and Zero Se-quence Voltage		

5.1.257 3.2.257 LN: RESTVTR1 Name: TVTR (ED2,ED1)

Related LN(s): LD0.RESTVTR1.LN type: RESTVTR1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Mode		

Health	ABBIED600_Rev4_ENS_health	Mode		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
VolSv	ABBIED600_Rev1_SAV_92_lite	Voltage (sampled value)		
VRtg	ABBIED600_Rev3_ASG_SP_ARtg_VRtg	Rated primary voltage		
Cor	ABBIED600_Rev1_ASG_SP_f	Voltage phasor magnitude correction of external voltage transformer		
AngCor	ABBIED600_Rev3_ASG_SP_i	Residual Voltage phasor angle correction of an external voltage transformer		
Alm	ABBIED600_Rev1_SPS_e	Alarm	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Wrn	ABBIED600_Rev1_SPS_e	Warning	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
VRtgScy	ABBIED600_Rev1_ASG_SP_f_e	Rated secondary voltage	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.258 3.2.258 LN: RESVMMXU1 Name: MMXU (ED2,ED1)

Related LN(s): LD0.RESVMMXU1.LN type: RESVMMXU1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Operation		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs	E	

PhV	ABBIED600_Rev3_WYE_res_full_i	Residual voltage		
VMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Selects used measurement mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
HiAlm	ABBIED600_Rev1_SPS_e	High alarm	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
HiWrn	ABBIED600_Rev1_SPS_e	High warning	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RcdRs	ABBIED600_Rev2_SPC_control_e	RESVMMXU1 demands	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.259 3.2.259 LN: RVAVMMXU1 Name: MMXU (ED2,ED1)

Related LN(s): LD0.RVAVMMXU1.LN type: RVAVMMXU1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
PhV	ABBIED600_Rev3_WYE_res_simpler_i	Residual voltage		
ClcMth	ABBIED600_Rev3_ENG_SP_ClcMth	Calculation method of statistical data objects	E	
ClcMod	ABBIED600_Rev2_ENG_SP_ClcMod	Calculation mode	E	
ClcSrc	ABBIED600_Rev4_ORG_SP_1	Object reference to source logical node		

5.1.260 3.2.260 LN: RVMAMMXU1 Name: MMXU (ED2,ED1)

Related LN(s): LD0.RVMAMMXU1.LN type: RVMAMMXU1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		

Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
PhV	ABBIED600_Rev3_WYE_res_simpler_i	Residual voltage		
ClcMth	ABBIED600_Rev3_ENG_SP_ClcMth	Calculation method of statistical data objects	E	
ClcMod	ABBIED600_Rev2_ENG_SP_ClcMod	Calculation mode	E	
ClcSrc	ABBIED600_Rev4_ORG_SP_1	Object reference to source logical node		

5.1.261 3.2.261 LN: RVMIMMXU1 Name: MMXU (ED2,ED1)

Related LN(s): LD0.RVMIMMXU1.LN type: RVMIMMXU1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
PhV	ABBIED600_Rev3_WYE_res_simpler_i	Residual voltage		
ClcMth	ABBIED600_Rev3_ENG_SP_ClcMth	Calculation method of statistical data objects	E	
ClcMod	ABBIED600_Rev2_ENG_SP_ClcMod	Calculation mode	E	
ClcSrc	ABBIED600_Rev4_ORG_SP_1	Object reference to source logical node		

5.1.262 3.2.262 LN: XAGGIO130 Name: GGIO (ED2,ED1)

Related LN(s): LD0.XAGGIO130.LN type: XAGGIO130_ED1_ED2.

Attrib-ute name	Attribute type	Explana-tion	M/O/E	Remarks
Mod	AB-BIED600_Rev1_ENC_Mod_OnOff_NoBlk	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		

Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Ind1	ABBIED600_Rev1_SPS	X130-Input 1		
Ind2	ABBIED600_Rev1_SPS	X130-Input 2		
Ind3	ABBIED600_Rev1_SPS	X130-Input 3		
Ind4	ABBIED600_Rev1_SPS	X130-Input 4		
FilTmms1	ABBIED600_Rev1_ING_SP_1_e	Input 1 filter time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
FilTmms2	ABBIED600_Rev1_ING_SP_1_e	Input 2 filter time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
FilTmms3	ABBIED600_Rev1_ING_SP_1_e	Input 3 filter time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
FilTmms4	ABBIED600_Rev1_ING_SP_1_e	Input 4 filter time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
DigInInv1	ABBIED600_Rev1_SPG_SP_e	Input 1 inversion	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
DigInInv2	ABBIED600_Rev1_SPG_SP_e	Input 2 inversion	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
DigInInv3	ABBIED600_Rev1_SPG_SP_e	Input 3 inversion	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
DigInInv4	ABBIED600_Rev1_SPG_SP_e	Input 4 inversion	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CardNam	ABBIED600_Rev8_DPL_eeprom_2_ED2_e	Card information	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_DPL_eeprom_2 eManDate: ABB eTestStatId: ABB eTesterId: ABB

				eTestDate: ABB eHwId: ABB
HwId	ABBIED600_Rev1_LPL_VSS_1_20_e	HW module	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TestStald	ABBIED600_Rev1_LPL_VSS_dU_20_e	Testing	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.263 3.2.263 LN: XARGGIO130 Name: GGIO (ED2,ED1)

Related LN(s): LD0.XARGGIO130.LN type: XARGGIO130_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
AnIn1	ABBIED600_Rev6_MV_6	Analogue input 1		
AnIn2	ABBIED600_Rev6_MV_6	Analogue input 2		
AnIn3	ABBIED600_Rev6_MV_6	Analogue input 3		
Alm1	ABBIED600_Rev1_SPS	Alarm		
Wrn1	ABBIED600_Rev1_SPS	Warning	E	
InMinVal1	ABBIED600_Rev1_ASG_SP_f_e	Input minimum	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
InMinVal2	ABBIED600_Rev1_ASG_SP_f_e	Input minimum	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
InMinVal3	ABBIED600_Rev1_ASG_SP_f_e	Input minimum	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
InMaxVal1	ABBIED600_Rev1_ASG_SP_f_e	Input maximum	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
In-	ABBIED600_Rev1_ASG_SP_f_e	Input	EE	dataNs: REx615 MICS:2014>IEC

MaxVal2		maximum		61850-7-4:2003
In-MaxVal3	ABBIED600_Rev1_ASG_SP_f_e	Input maximum	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
InMod1	AB-BIED600_Rev2_ENG_SP_SenInMod_e	Input mode	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
InMod2	AB-BIED600_Rev2_ENG_SP_SenInMod_e	Input mode	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
InMod3	AB-BIED600_Rev2_ENG_SP_SenInMod_e	Input mode	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CardNam	AB-BIED600_Rev8_DPL_eeprom_2_ED2_e	Card in-formation	EE	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: AB-BIED600_DPL_eeprom_2 eManDate: ABB eTestSta-tId: ABB eTesterId: ABB eTestDate: ABB eHwId: ABB
HwId	ABBIED600_Rev1_LPL_VSS_1_20_e	HW mod-ule	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TestStaId	ABBIED600_Rev1_LPL_VSS_dU_20_e	Testing	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.264 3.2.264 LN: IL1TCTR2 Name: TCTR (ED2,ED1)

Related LN(s): LD0.IL1TCTR2, LD0.IL2TCTR2, LD0.IL3TCTR2.LN type: ILTCTR2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Mode		
Health	ABBIED600_Rev4_ENS_health	Mode		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		
AmpSv	ABBIED600_Rev1_SAV_92_lite	Current (Sampled value) phase A		

ARtg	ABBIED600_Rev3_ASG_SP_ARtg_VRtg	Primary rated current		
Cor	ABBIED600_Rev1_ASG_SP_f	Phase A Current phasor magnitude correction of an external current transformer		
AngCor	ABBIED600_Rev3_ASG_SP_i	Phase A Current phasor angle correction of an external current transformer		
Alm	ABBIED600_Rev1_SPS_e	Alarm	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
Wrn	ABBIED600_Rev1_SPS_e	Warning	EE	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ARtgScy	ABBIED600_Rev2_ENG_SP_ARtgSec_e	Secondary current	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ARtgNom	ABBIED600_Rev1_ASG_SP_f_e	Network Nominal Current	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
VRtgScyRat	ABBIED600_Rev1_ASG_SP_f_e	Rated Secondary Value	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
RevPol	ABBIED600_Rev1_SPG_SP_e	Reverse polarity	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.265 3.2.265 LN: XAGGIO120 Name: GGIO (ED2,ED1)

Related LN(s): LD0.XAGGIO120.LN type: XAGGIO120_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_OnOff_NoBl	Mode		

	k			
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Card-Nam	AB-BIED600_Rev8_DPL_eeprom_2_ED2_e	Card in-formation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: AB-BIED600_DPL_eeprom_2 eManDate: ABB eTestSta-tId: ABB eTesterId: ABB eTestDate: ABB eHwId: ABB
HwId	ABBIED600_Rev1_LPL_VSS_1_20_e	HW mod-ule	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TestStaI d	ABBIED600_Rev1_LPL_VSS_dU_20_e	Testing	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.266 3.2.266 LN: XGGIO110 Name: GGIO (ED2,ED1)

Related LN(s): LD0.XGGIO110.LN type: XGGIO110_ED1_ED2.

Attrib-ute name	Attribute type	Explana-tion	M/O/E	Remarks
Mod	AB-BIED600_Rev1_ENC_Mod_OnOff_NoBlk	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
SPCSO1	ABBIED600_Rev2_SPC_control	X110-Output 1		
SPCSO2	ABBIED600_Rev2_SPC_control	X110-		

		Output 2		
SPCSO3	ABBIED600_Rev2_SPC_control	X110-Output 3		
SPCSO4	ABBIED600_Rev2_SPC_control	X110-Output 4		
Ind1	ABBIED600_Rev1_SPS	X110-Input 1		
Ind2	ABBIED600_Rev1_SPS	X110-Input 2		
Ind3	ABBIED600_Rev1_SPS	X110-Input 3		
Ind4	ABBIED600_Rev1_SPS	X110-Input 4		
Ind5	ABBIED600_Rev1_SPS	X110-Input 5		
Ind6	ABBIED600_Rev1_SPS	X110-Input 6		
Ind7	ABBIED600_Rev1_SPS	X110-Input 7		
Ind8	ABBIED600_Rev1_SPS	X110-Input 8		
FilTmms1	ABBIED600_Rev1_ING_SP_1_e	Input 1 filter time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
FilTmms2	ABBIED600_Rev1_ING_SP_1_e	Input 2 filter time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
FilTmms3	ABBIED600_Rev1_ING_SP_1_e	Input 3 filter time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
FilTmms4	ABBIED600_Rev1_ING_SP_1_e	Input 4 filter time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
FilTmms5	ABBIED600_Rev1_ING_SP_1_e	Input 5 filter time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
FilTmms6	ABBIED600_Rev1_ING_SP_1_e	Input 6 filter time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
FilTmms7	ABBIED600_Rev1_ING_SP_1_e	Input 7 filter time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

FilTmms8	ABBIED600_Rev1_ING_SP_1_e	Input 8 filter time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
DigInInv1	ABBIED600_Rev1_SPG_SP_e	Input 1 inversion	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
DigInInv2	ABBIED600_Rev1_SPG_SP_e	Input 2 inversion	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
DigInInv3	ABBIED600_Rev1_SPG_SP_e	Input 3 inversion	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
DigInInv4	ABBIED600_Rev1_SPG_SP_e	Input 4 inversion	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
DigInInv5	ABBIED600_Rev1_SPG_SP_e	Input 5 inversion	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
DigInInv6	ABBIED600_Rev1_SPG_SP_e	Input 6 inversion	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
DigInInv7	ABBIED600_Rev1_SPG_SP_e	Input 7 inversion	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
DigInInv8	ABBIED600_Rev1_SPG_SP_e	Input 8 inversion	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CardNam	ABBIED600_Rev8_DPL_eeprom_2_ED2_e	Card information	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_DPL_eeprom_2 eManDate: ABB eTestStatId: ABB eTesterId: ABB eTestDate: ABB eHwId: ABB
HwId	ABBIED600_Rev1_LPL_VSS_1_20_e	HW module	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TestStaId	ABBIED600_Rev1_LPL_VSS_dU_20_e	Testing	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.267 3.2.267 LN: XGGIO130 Name: GGIO (ED2,ED1)

Related LN(s): LD0.XGGIO130.LN type: XGGIO130_ED1_ED2.

Attrib-ute name	Attribute type	Explana-tion	M/O/E	Remarks
Mod	AB-BIED600_Rev1_ENC_Mod_OnOff_NoBlk	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
SPCSO1	ABBIED600_Rev2_SPC_control	X130-Output 1		
SPCSO2	ABBIED600_Rev2_SPC_control	X130-Output 2		
SPCSO3	ABBIED600_Rev2_SPC_control	X130-Output 3		
Ind1	ABBIED600_Rev1_SPS	X130-Input 1		
Ind2	ABBIED600_Rev1_SPS	X130-Input 2		
Ind3	ABBIED600_Rev1_SPS	X130-Input 3		
Ind4	ABBIED600_Rev1_SPS	X130-Input 4		
Ind5	ABBIED600_Rev1_SPS	X130-Input 5		
Ind6	ABBIED600_Rev1_SPS	X130-Input 6		
FilTmms1	ABBIED600_Rev1_ING_SP_1_e	Input 1 filter time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
FilTmms2	ABBIED600_Rev1_ING_SP_1_e	Input 2 filter time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
FilTmms3	ABBIED600_Rev1_ING_SP_1_e	Input 3 filter time	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
FilTmms	ABBIED600_Rev1_ING_SP_1_e	Input 4 fil-	E	dataNs: REx615 MICS:2014>IEC

4		ter time			61850-7-4:2003
FilTmms 5	ABBIED600_Rev1_ING_SP_1_e	Input 5 filter time	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
FilTmms 6	ABBIED600_Rev1_ING_SP_1_e	Input 6 filter time	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
DigInInv 1	ABBIED600_Rev1_SPG_SP_e	Input 1 inversion	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
DigInInv 2	ABBIED600_Rev1_SPG_SP_e	Input 2 inversion	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
DigInInv 3	ABBIED600_Rev1_SPG_SP_e	Input 3 inversion	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
DigInInv 4	ABBIED600_Rev1_SPG_SP_e	Input 4 inversion	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
DigInInv 5	ABBIED600_Rev1_SPG_SP_e	Input 5 inversion	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
DigInInv 6	ABBIED600_Rev1_SPG_SP_e	Input 6 inversion	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
Card-Nam	AB-BIED600_Rev8_DPL_eeprom_2_ED2_e	Card information	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
				cdcNs	REx615 MICS:2014>IEC 61850-7-4:2003
				cdcName	AB-BIED600_DPL_eeprom_2
				eManDate	ABB
				eTestStatId	ABB
				eTesterId	ABB
				eTestDate	ABB
				eHwId	ABB
HwId	ABBIED600_Rev1_LPL_VSS_1_20_e	HW module	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
TestStaId	ABBIED600_Rev1_LPL_VSS_dU_20_e	Testing	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.268 3.2.268 LN: XGGIO90 Name: GGIO (ED2,ED1)

Related LN(s): LD0.XGGIO90.LN type: XGGIO90_ED1_ED2.

Attrib-	Attribute type	Explana-	M/O/	Remarks

ute name		tion	E	
Mod	ABBIED600_Rev1_ENC_Mod_On	X90 on/off		
Beh	ABBIED600_Rev4_ENS_beh	X90 on/off		
Health	ABBIED600_Rev4_ENS_health	Card state		
NamPlt	ABBIED600_Rev1_LPL_1	X90		
Card-Nam	AB-BIED600_Rev8_DPL_eeprom_2_ED2_e	Card in-formation	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: AB-BIED600_DPL_eeprom_2 eManDate: ABB eTestSta-tId: ABB eTesterId: ABB eTestDate: ABB eHwId: ABB
HwId	ABBIED600_Rev1_LPL_VSS_1_20_e	HW mod-ule	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TestStal d	ABBIED600_Rev1_LPL_VSS_dU_20_e	Testing	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.269 3.2.269 LN: SERLCCH1 Name: LCCH (ED2,ED1)

Related LN(s): LD0.SERLCCH1.LN type: SERLCCH1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_OnOff_NoBlk	SERLCCH1 on/off		
Beh	ABBIED600_Rev4_ENS_beh	SERLCCH1 on/off		
Health	ABBIED600_Rev4_ENS_health	SERLCCH1 Health		
NamPlt	ABBIED600_Rev1_LPL_lnNs_1	SERLCCH1		
FibMod	ABBIED600_Rev2_ENG_SP_FibMod_e	Fiber mode for COM1	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

SerMod	ABBIED600_Rev2_ENG_SP_SerMod_e	Serial mode for COM1	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
CTSDlTmms	ABBIED600_Rev1_ING_SP_1_e	CTS delay for COM1	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
RTSDlTmms	ABBIED600_Rev1_ING_SP_1_e	RTS delay for COM1	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
SerBaudRte	ABBIED600_Rev1_ENG_SP_BaudRate_e	Baudrate for COM1	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
CharRxCnt	ABBIED600_Rev1_INS_e	Number of characters re-ceived	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
FrRxCnt	ABBIED600_Rev1_INS_e	Number of successfully received link frames	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
RxErrCnt	ABBIED600_Rev1_INS_e	Number of discarded link frames	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
FrTxCnt	ABBIED600_Rev1_INS_e	Number of transmitted link frames	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
CDLosCnt	ABBIED600_Rev1_INS_e	CD lost	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
CollCnt	ABBIED600_Rev1_INS_e	Collision	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
CTSTmOut	ABBIED600_Rev1_INS_e	CTS timeout	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
TxTmOutCnt	ABBIED600_Rev1_INS_e	Transmission timeout	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PtyErrCnt	ABBIED600_Rev1_INS_e	Number of parity errors	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
OvRunErr	ABBIED600_Rev1_INS_e	Number of	E	dataNs	REx615

		overrun errors			MICS:2014>IEC 61850-7-4:2003
FrErrCnt	ABBIED600_Rev1_INS_e	Framing errors	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ChLiv	ABBIED600_Rev1_SPS_simple	Channel Live			
LnkLiv	ABBIED600_Rev1_SPS_simple_e	Link Live	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
CntRs	ABBIED600_Rev2_SPC_control_e	Reset Counters	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.270 3.2.270 LN: SERLCCH2 Name: LCCH (ED2,ED1)

Related LN(s): LD0.SERLCCH2.LN type: SERLCCH2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks	
Mod	ABBIED600_Rev1_ENC_Mod_OnOff_NoBlk	SERLCCH2 on/off			
Beh	ABBIED600_Rev4_ENS_beh	SERLCCH2 on/off			
Health	ABBIED600_Rev4_ENS_health	SERLCCH2 Health			
NamPlt	ABBIED600_Rev1_LPL_lnNs_1	SERLCCH2			
FibMod	ABBIED600_Rev2_ENG_SP_FibMod_e	Fiber mode for COM2	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
SerMod	ABBIED600_Rev2_ENG_SP_SerMod_e	Serial mode for COM2	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
CTSDlTmms	ABBIED600_Rev1_ING_SP_1_e	CTS delay for COM2	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
RTSDlTmms	ABBIED600_Rev1_ING_SP_1_e	RTS delay for COM2	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
SerBaudRte	ABBIED600_Rev1_ENG_SP_BaudRate_e	Baudrate for COM2	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

CharRxCnt	ABBIED600_Rev1_INS_e	Number of characters received	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
FrRxCnt	ABBIED600_Rev1_INS_e	Number of successfully received link frames	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
RxErrCnt	ABBIED600_Rev1_INS_e	Number of discarded link frames	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
FrTxCnt	ABBIED600_Rev1_INS_e	Number of transmitted link frames	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CDLosCnt	ABBIED600_Rev1_INS_e	CD lost	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CollCnt	ABBIED600_Rev1_INS_e	Collision	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CTSTmOut	ABBIED600_Rev1_INS_e	CTS timeout	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TxTmOutCnt	ABBIED600_Rev1_INS_e	Transmission timeout	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PtyErrCnt	ABBIED600_Rev1_INS_e	Number of parity errors	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OvRunErr	ABBIED600_Rev1_INS_e	Number of overrun errors	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
FrErrCnt	ABBIED600_Rev1_INS_e	Framing errors	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ChLiv	ABBIED600_Rev1_SPS_simple	Channel Live		
LnkLiv	ABBIED600_Rev1_SPS_simple_e	Link Live	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CntRs	ABBIED600_Rev2_SPC_control_e	Reset Counters	E	dataNs: REx615 MICS:2014>IEC

					61850-7-4:2003

5.1.271 3.2.271 LN: RCHLCCH1 Name: LCCH (ED2,ED1)

Related LN(s): LD0.RCHLCCH1.LN type: RCHLCCH1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks	
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode			
Beh	ABBIED600_Rev4_ENS_beh	Physical Channel behavior			
NamPlt	ABBIED600_Rev1_LPL_lnNs_1	RCHLCCH1			
ChLiv	ABBIED600_Rev1_SPS	Physical channel status of port A			
RedChLiv	ABBIED600_Rev1_SPS	Physical channel status of port B			
LnkLiv	ABBIED600_Rev1_SPS_e	Link status of port A	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
RedLnkLiv	ABBIED600_Rev1_SPS_e	Link status of port B	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
RedCfg	ABBIED600_Rev1_ENG_SP_ChRedKind_e	Redundant mode	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.272 3.2.272 LN: SCHLCCH1 Name: LCCH (ED2,ED1)

Related LN(s): LD0.SCHLCCH1.LN type: SCHLCCH1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Physical Channel behavior		
NamPlt	ABBIED600_Rev1_LPL_lnNs_1	SCHLCCH1		

ChLiv	ABBIED600_Rev1_SPS	Physical channel status		
LnkLiv	ABBIED600_Rev1_SPS_e	Link status	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PortMod	ABBIED600_Rev4_ENG_SP_EthPortMod_e	Ethernet port mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.273 3.2.273 LN: SCHLCCH2 Name: LCCH (ED2,ED1)

Related LN(s): LD0.SCHLCCH2.LN type: SCHLCCH2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Physical Channel behavior		
NamPlt	ABBIED600_Rev1_LPL_lnNs_1	SCHLCCH2		
ChLiv	ABBIED600_Rev1_SPS	Physical channel status		
LnkLiv	ABBIED600_Rev1_SPS_e	Link status	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PortMod	ABBIED600_Rev4_ENG_SP_EthPortMod_e	Ethernet port mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.274 3.2.274 LN: SCHLCCH3 Name: LCCH (ED2,ED1)

Related LN(s): LD0.SCHLCCH3.LN type: SCHLCCH3_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mod		
Beh	ABBIED600_Rev4_ENS_beh	Physical Channel behavior		

NamPlt	ABBIED600_Rev1_LPL_lnNs_1	SCHLCCH3		
ChLiv	ABBIED600_Rev1_SPS	Physical channel status		
LnkLiv	ABBIED600_Rev1_SPS_e	Link status	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PortMod	ABBIED600_Rev4_ENG_SP_EthPortMod_e	Ethernet port mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.275 3.2.275 LN: MBSLPRT1 Name: LPRT (ED2,ED1)

Related LN(s): LD0.MBSLPRT1.LN type: MBSLPRT1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD_e	Mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Beh	ABBIED600_Rev4_ENS_beh_e	Behaviour	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev7_LPL_MBS_ED2_e	Name plate	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 lnNs: MICS_DATANS_TIGER cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_LPL_MBS clientIP: ABB ctrlStructPassWd1: ABB ctrlStructPassWd2: ABB ctrlStructPassWd3: ABB ctrl- ABB

				StructPassWd4 | ctrl-StructPassWd5 | ABB ctrl-StructPassWd6 | ABB ctrl-StructPassWd7 | ABB ctrl-StructPassWd8 | ABB
BufBkOff	ABBIED600_Rev1_ING_SP_1	Event buffer backoff value		
TCPPort	ABBIED600_Rev1_ING_SP_1	TCP listening port		
MapSel	ABBIED600_Rev1_ING_SP_1	Mapping selection		
UnitAddr	ABBIED600_Rev1_ING_SP_1	Slave Address		
StrFrDl	ABBIED600_Rev1_ING_SP_1	Response start delay for serial clients		
EndFrDl	ABBIED600_Rev1_ING_SP_1	Message end delay for serial client		
FrRxCnt	ABBIED600_Rev1_INS	Number of received frames		
ChkErrCnt	ABBIED600_Rev1_INS	Number of checksum errors		
FrTxCnt	ABBIED600_Rev1_INS	Number of transmitted frames		

TxExcpCnt1	ABBIED600_Rev1_INS	Number of transmitted exception responses 01 and 02		
TxExcpCnt2	ABBIED600_Rev1_INS	Number of transmitted exception responses 03		
ChLiv	ABBIED600_Rev1_SPS_e	Communication status (True = OK, False = Not connected)	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CommInt-nOv	ABBIED600_Rev1_SPS	Internal Overflow indication		
ConnRejSck	ABBIED600_Rev1_INS	Connection rejected due to no socket available		
ConnRejRg	ABBIED600_Rev1_INS	Connection rejected due to unregistered client		
CtlPwd1	ABBIED600_Rev3_VSG_2_20	Control Struct Password 1		
CtlPwd2	ABBIED600_Rev3_VSG_2_20	Control Struct Password 2		
CtlPwd3	ABBIED600_Rev3_VSG_2_20	Control Struct Password 3		
CtlPwd4	ABBIED600_Rev3_VSG_2_20	Control Struct Pass-		

		word 4		
CtlPwd5	ABBIED600_Rev3_VSG_2_20	Control Struct Password 5		
CtlPwd6	ABBIED600_Rev3_VSG_2_20	Control Struct Password 6		
CtlPwd7	ABBIED600_Rev3_VSG_2_20	Control Struct Password 7		
CtlPwd8	ABBIED600_Rev3_VSG_2_20	Control Struct Password 8		
CommPort	ABBIED600_Rev3_ENG_SP_CommPort_ED2	Port selection		cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_ENG_SP_CommPort elp: ABB
LnkMod	ABBIED600_Rev2_ENG_SP_LnkMod	Link mode		
MBWrAuth	ABBIED600_Rev2_ENG_SP_MBWrAuth	Write authority		
EvtIdSel	ABBIED600_Rev2_ENG_SP_MBSEventID	Event ID selection		
EvtBufMod	ABBIED600_Rev2_ENG_SP_MBEvtBufMod	Event buffering mode		
CRCOrdr	ABBIED600_Rev2_ENG_SP_CRCOrd	CRC order		
TmFrm	ABBIED600_Rev2_ENG_SP_MBSTimeFormat	Time format		
CliIP	ABBIED600_Rev3_VSG_2_20	Client IP address		
SerPty	ABBIED600_Rev2_ENG_SP_SerPty	Serial parity		
CntRs	ABBIED600_Rev2_SPC_control	Diagnostic		

		counters re-set		

5.1.276 3.2.276 LN: MBSLPRT2 Name: LPRT (ED2,ED1)

Related LN(s): LD0.MBSLPRT2.LN type: MBSLPRT2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	AB-BIED600_Rev2_ENC_Mod_OffOn_FD_e	Mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Beh	ABBIED600_Rev4_ENS_beh_e	Behaviour	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev7_LPL_MBS_ED2_e	Name plate	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 lnNs: MICS_DATANS_TIGER cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: AB-BIED600_LPL_MBS clientIP: ABB ctrl-StructPassWd1: ABB ctrl-StructPassWd2: ABB ctrl-StructPassWd3: ABB ctrl-StructPassWd4: ABB ctrl-StructPassWd5: ABB ctrl-StructPassWd6: ABB ctrl-StructPassWd: ABB

				7 | ctrl-StructPassWd 8 | ABB
BufBkOff	ABBIED600_Rev1_ING_SP_1	Event buffer backoff value		
TCPPort	ABBIED600_Rev1_ING_SP_1	TCP listening port		
MapSel	ABBIED600_Rev1_ING_SP_1	Mapping selection		
UnitAddr	ABBIED600_Rev1_ING_SP_1	Slave Address		
StrFrDl	ABBIED600_Rev1_ING_SP_1	Response start delay for serial clients		
EndFrDl	ABBIED600_Rev1_ING_SP_1	Message end delay for serial client		
FrRxCnt	ABBIED600_Rev1_INS	Number of received frames		
ChkErrCnt	ABBIED600_Rev1_INS	Number of checksum errors		
FrTxCnt	ABBIED600_Rev1_INS	Number of transmitted frames		
TxExcpCnt 1	ABBIED600_Rev1_INS	Number of transmitted exception responses 01 and 02		
TxExcpCnt 2	ABBIED600_Rev1_INS	Number of transmitted		

		exception responses 03		
ChLiv	ABBIED600_Rev1_SPS_e	Communication status (True = OK, False = Not connected)	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CommInt-nOv	ABBIED600_Rev1_SPS	Internal Overflow indication		
ConnRejSck	ABBIED600_Rev1_INS	Connection rejected due to no socket available		
ConnRejRg	ABBIED600_Rev1_INS	Connection rejected due to unregistered client		
CtlPwd1	ABBIED600_Rev3_VSG_2_20	Control Struct Password 1		
CtlPwd2	ABBIED600_Rev3_VSG_2_20	Control Struct Password 2		
CtlPwd3	ABBIED600_Rev3_VSG_2_20	Control Struct Password 3		
CtlPwd4	ABBIED600_Rev3_VSG_2_20	Control Struct Password 4		
CtlPwd5	ABBIED600_Rev3_VSG_2_20	Control Struct Password 5		
CtlPwd6	ABBIED600_Rev3_VSG_2_20	Control Struct Password 6		

CtlPwd7	ABBIED600_Rev3_VSG_2_20	Control Struct Password 7		
CtlPwd8	ABBIED600_Rev3_VSG_2_20	Control Struct Password 8		
CommPort	ABBIED600_Rev3_ENG_SP_CommPort_ED2	Port selection		cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_ENG_SP_CommPort elp: ABB
LnkMod	ABBIED600_Rev2_ENG_SP_LnkMod	Link mode		
MBWrAuth	ABBIED600_Rev2_ENG_SP_MBWrAuth	Write authority		
EvtIdSel	ABBIED600_Rev2_ENG_SP_MBSEventID	Event ID selection		
EvtBufMod	ABBIED600_Rev2_ENG_SP_MBEvtBufMod	Event buffering mode		
CRCOrdr	ABBIED600_Rev2_ENG_SP_CRCOrd	CRC order		
TmFrm	ABBIED600_Rev2_ENG_SP_MBSTimeFormat	Time format		
CliIP	ABBIED600_Rev3_VSG_2_20	Client IP address		
SerPty	ABBIED600_Rev2_ENG_SP_SerPty	Serial parity		
CntRs	ABBIED600_Rev2_SPC_control	Diagnostic counters reset		

5.1.277 3.2.277 LN: MBSLPRT3 Name: LPRT (ED2,ED1)

Related LN(s): LD0.MBSLPRT3.LN type: MBSLPRT3_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks

Mod	AB-BIED600_Rev2_ENC_Mod_OffOn_FD_e	Mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Beh	ABBIED600_Rev4_ENS_beh_e	Behaviour	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev7_LPL_MBS_ED2_e	Name plate	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 lnNs: MICS_DATANS_TIGER cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: AB-BIED600_LPL_MBS clientIP: ABB ctrl-StructPassWd1: ABB ctrl-StructPassWd2: ABB ctrl-StructPassWd3: ABB ctrl-StructPassWd4: ABB ctrl-StructPassWd5: ABB ctrl-StructPassWd6: ABB ctrl-StructPassWd7: ABB ctrl-StructPassWd8: ABB
BufBkOff	ABBIED600_Rev1_ING_SP_1	Event buffer backoff value		
TCPPort	ABBIED600_Rev1_ING_SP_1	TCP listen-		

		ing port		
MapSel	ABBIED600_Rev1_ING_SP_1	Mapping selection		
UnitAddr	ABBIED600_Rev1_ING_SP_1	Slave Address		
StrFrDl	ABBIED600_Rev1_ING_SP_1	Response start delay for serial clients		
EndFrDl	ABBIED600_Rev1_ING_SP_1	Message end delay for serial client		
FrRxCnt	ABBIED600_Rev1_INS	Number of received frames		
ChkErrCnt	ABBIED600_Rev1_INS	Number of checksum errors		
FrTxCnt	ABBIED600_Rev1_INS	Number of transmitted frames		
TxExcpCnt1	ABBIED600_Rev1_INS	Number of transmitted exception responses 01 and 02		
TxExcpCnt2	ABBIED600_Rev1_INS	Number of transmitted exception responses 03		
ChLiv	ABBIED600_Rev1_SPS_e	Communication status (True = OK, False = Not connected)	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

CommInt-nOv	ABBIED600_Rev1_SPS	Internal Overflow indication		
ConnRejSck	ABBIED600_Rev1_INS	Connection rejected due to no socket available		
ConnRejRg	ABBIED600_Rev1_INS	Connection rejected due to unregistered client		
CtlPwd1	ABBIED600_Rev3_VSG_2_20	Control Struct Password 1		
CtlPwd2	ABBIED600_Rev3_VSG_2_20	Control Struct Password 2		
CtlPwd3	ABBIED600_Rev3_VSG_2_20	Control Struct Password 3		
CtlPwd4	ABBIED600_Rev3_VSG_2_20	Control Struct Password 4		
CtlPwd5	ABBIED600_Rev3_VSG_2_20	Control Struct Password 5		
CtlPwd6	ABBIED600_Rev3_VSG_2_20	Control Struct Password 6		
CtlPwd7	ABBIED600_Rev3_VSG_2_20	Control Struct Password 7		
CtlPwd8	ABBIED600_Rev3_VSG_2_20	Control Struct Password 8		
CommPort	AB-	Port selec-		cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003

	BIED600_Rev3_ENG_SP_CommPort_ED2	tion		cdc-Name: AB-BIED600_ENG_SP_CommPort elp: ABB
LnkMod	ABBIED600_Rev2_ENG_SP_LnkMod	Link mode		
MBWrAuth	AB-BIED600_Rev2_ENG_SP_MBWrAuth	Write authority		
EvtIdSel	AB-BIED600_Rev2_ENG_SP_MBSEventID	Event ID selection		
EvtBufMod	AB-BIED600_Rev2_ENG_SP_MBEvtBufMod	Event buffering mode		
CRCOrdr	ABBIED600_Rev2_ENG_SP_CRCOrd	CRC order		
TmFrm	AB-BIED600_Rev2_ENG_SP_MBSTimeFormat	Time format		
CliIP	ABBIED600_Rev3_VSG_2_20	Client IP address		
SerPty	ABBIED600_Rev2_ENG_SP_SerPty	Serial parity		
CntRs	ABBIED600_Rev2_SPC_control	Diagnostic counters reset		

5.1.278 3.2.278 LN: MBSLPRT4 Name: LPRT (ED2,ED1)

Related LN(s): LD0.MBSLPRT4.LN type: MBSLPRT4_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	AB-BIED600_Rev2_ENC_Mod_OffOn_FD_e	Mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Beh	ABBIED600_Rev4_ENS_beh_e	Behaviour	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Health	ABBIED600_Rev4_ENS_health	Health		

NamPlt	ABBIED600_Rev7_LPL_MBS_ED2_e	Name plate	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 lnNs: MICS_DATANS_TIGER cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: AB-BIED600_LPL_MBS clientIP: ABB ctrl-StructPassWd1: ABB ctrl-StructPassWd2: ABB ctrl-StructPassWd3: ABB ctrl-StructPassWd4: ABB ctrl-StructPassWd5: ABB ctrl-StructPassWd6: ABB ctrl-StructPassWd7: ABB ctrl-StructPassWd8: ABB
BufBkOff	ABBIED600_Rev1_ING_SP_1	Event buffer backoff value		
TCPPort	ABBIED600_Rev1_ING_SP_1	TCP listening port		
MapSel	ABBIED600_Rev1_ING_SP_1	Mapping selection		
UnitAddr	ABBIED600_Rev1_ING_SP_1	Slave Address		
StrFrDl	ABBIED600_Rev1_ING_SP_1	Response		

		start delay for serial clients		
EndFrDl	ABBIED600_Rev1_ING_SP_1	Message end delay for serial client		
FrRxCnt	ABBIED600_Rev1_INS	Number of received frames		
ChkErrCnt	ABBIED600_Rev1_INS	Number of checksum errors		
FrTxCnt	ABBIED600_Rev1_INS	Number of transmitted frames		
TxExcpCnt1	ABBIED600_Rev1_INS	Number of transmitted exception responses 01 and 02		
TxExcpCnt2	ABBIED600_Rev1_INS	Number of transmitted exception responses 03		
ChLiv	ABBIED600_Rev1_SPS_e	Communication status (True = OK, False = Not connected)	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CommIntnOv	ABBIED600_Rev1_SPS	Internal Overflow indication		
ConnRejSck	ABBIED600_Rev1_INS	Connection rejected due to no socket		

		available		
ConnRejRg	ABBIED600_Rev1_INS	Connection rejected due to unregistered client		
CtlPwd1	ABBIED600_Rev3_VSG_2_20	Control Struct Password 1		
CtlPwd2	ABBIED600_Rev3_VSG_2_20	Control Struct Password 2		
CtlPwd3	ABBIED600_Rev3_VSG_2_20	Control Struct Password 3		
CtlPwd4	ABBIED600_Rev3_VSG_2_20	Control Struct Password 4		
CtlPwd5	ABBIED600_Rev3_VSG_2_20	Control Struct Password 5		
CtlPwd6	ABBIED600_Rev3_VSG_2_20	Control Struct Password 6		
CtlPwd7	ABBIED600_Rev3_VSG_2_20	Control Struct Password 7		
CtlPwd8	ABBIED600_Rev3_VSG_2_20	Control Struct Password 8		
CommPort	ABBIED600_Rev3_ENG_SP_CommPort_ED2	Port selection		cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_ENG_SP_CommPort elp: ABB
LnkMod	ABBIED600_Rev2_ENG_SP_LnkMod	Link mode		
MBWrAut	AB-	Write au-		

h	BIED600_Rev2_ENG_SP_MBWrAuth	thority		
EvtIdSel	AB-BIED600_Rev2_ENG_SP_MBSEventID	Event ID selection		
EvtBufMod	AB-BIED600_Rev2_ENG_SP_MBEvtBufMod	Event buffering mode		
CRCOrdr	ABBIED600_Rev2_ENG_SP_CRCOrd	CRC order		
TmFrm	AB-BIED600_Rev2_ENG_SP_MBSTimeFormat	Time format		
CliIP	ABBIED600_Rev3_VSG_2_20	Client IP address		
SerPty	ABBIED600_Rev2_ENG_SP_SerPty	Serial parity		
CntRs	ABBIED600_Rev2_SPC_control	Diagnostic counters reset		

5.1.279 3.2.279 LN: MBSLPRT5 Name: LPRT (ED2,ED1)

Related LN(s): LD0.MBSLPRT5.LN type: MBSLPRT5_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	AB-BIED600_Rev2_ENC_Mod_OffOn_FD_e	Mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Beh	ABBIED600_Rev4_ENS_beh_e	Behaviour	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev7_LPL_MBS_ED2_e	Name plate	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003 lnNs: MICS_DATANS_TIGER cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: AB-BIED600_LPL_MB

				<table><tr><td></td><td>S</td></tr><tr><td>clientIP</td><td>ABB</td></tr><tr><td>ctrl-StructPassWd1</td><td>ABB</td></tr><tr><td>ctrl-StructPassWd2</td><td>ABB</td></tr><tr><td>ctrl-StructPassWd3</td><td>ABB</td></tr><tr><td>ctrl-StructPassWd4</td><td>ABB</td></tr><tr><td>ctrl-StructPassWd5</td><td>ABB</td></tr><tr><td>ctrl-StructPassWd6</td><td>ABB</td></tr><tr><td>ctrl-StructPassWd7</td><td>ABB</td></tr><tr><td>ctrl-StructPassWd8</td><td>ABB</td></tr></table>
BufBkOff	ABBIED600_Rev1_ING_SP_1	Event buffer backoff value		
TCPPort	ABBIED600_Rev1_ING_SP_1	TCP listening port		
MapSel	ABBIED600_Rev1_ING_SP_1	Mapping selection		
UnitAddr	ABBIED600_Rev1_ING_SP_1	Slave Address		
StrFrDl	ABBIED600_Rev1_ING_SP_1	Response start delay for serial clients		
EndFrDl	ABBIED600_Rev1_ING_SP_1	Message end delay for serial client		

FrRxCnt	ABBIED600_Rev1_INS	Number of received frames		
ChkErrCnt	ABBIED600_Rev1_INS	Number of checksum errors		
FrTxCnt	ABBIED600_Rev1_INS	Number of transmitted frames		
TxExcpCnt1	ABBIED600_Rev1_INS	Number of transmitted exception responses 01 and 02		
TxExcpCnt2	ABBIED600_Rev1_INS	Number of transmitted exception responses 03		
ChLiv	ABBIED600_Rev1_SPS_e	Communication status (True = OK, False = Not connected)	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CommInt-nOv	ABBIED600_Rev1_SPS	Internal Overflow indication		
ConnRejSck	ABBIED600_Rev1_INS	Connection rejected due to no socket available		
ConnRejRg	ABBIED600_Rev1_INS	Connection rejected due to unregistered client		
CtlPwd1	ABBIED600_Rev3_VSG_2_20	Control Struct Pass-		

		word 1		
CtlPwd2	ABBIED600_Rev3_VSG_2_20	Control Struct Password 2		
CtlPwd3	ABBIED600_Rev3_VSG_2_20	Control Struct Password 3		
CtlPwd4	ABBIED600_Rev3_VSG_2_20	Control Struct Password 4		
CtlPwd5	ABBIED600_Rev3_VSG_2_20	Control Struct Password 5		
CtlPwd6	ABBIED600_Rev3_VSG_2_20	Control Struct Password 6		
CtlPwd7	ABBIED600_Rev3_VSG_2_20	Control Struct Password 7		
CtlPwd8	ABBIED600_Rev3_VSG_2_20	Control Struct Password 8		
CommPort	AB-BIED600_Rev3_ENG_SP_CommPort_ED2	Port selection		cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: AB-BIED600_ENG_SP_CommPort elp: ABB
LnkMod	ABBIED600_Rev2_ENG_SP_LnkMod	Link mode		
MBWrAuth	AB-BIED600_Rev2_ENG_SP_MBWrAuth	Write authority		
EvtIdSel	AB-BIED600_Rev2_ENG_SP_MBSEventID	Event ID selection		
EvtBufMod	AB-BIED600_Rev2_ENG_SP_MBEvtBufMod	Event buffering mode		

CRCOrdr	ABBIED600_Rev2_ENG_SP_CRCOrd	CRC order		
TmFrm	AB-BIED600_Rev2_ENG_SP_MBSTimeFormat	Time format		
CliIP	ABBIED600_Rev3_VSG_2_20	Client IP address		
SerPty	ABBIED600_Rev2_ENG_SP_SerPty	Serial parity		
CntRs	ABBIED600_Rev2_SPC_control	Diagnostic counters reset		

5.1.280 3.2.280 LN: DNPLPRT1 Name: LPRT (ED2,ED1)

Related LN(s): LD0.DNPLPRT1.LN type: DNPLPRT1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	AB-BIED600_Rev2_ENC_Mod_OffOn_FD_e	Mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Beh	ABBIED600_Rev4_ENS_beh_e	Behaviour	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_lnNs_1_e	Name plate	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CommPort	AB-BIED600_Rev3_ENG_SP_CommPort_ED2	Port selection		cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: AB-BIED600_ENG_SP_CommPort elp: 0.0.0.0
UnitAddr	ABBIED600_Rev1_ING_SP_1	Unit address		
MstrAddr	ABBIED600_Rev1_ING_SP_1	Master address		
MapSel	ABBIED600_Rev1_ING_SP_1	Mapping selection		
Syn-	ABBIED600_Rev1_ING_SP_1	Need		

IntvTmm		time interval		
TmFrm	ABBIED600_Rev2_ENG_SP_MBSTimeFormat	Time format		
CROBSelTms	ABBIED600_Rev1_ING_SP_1	CROB select timeout		
LnkCnf	ABBIED600_Rev2_ENG_SP_DataLinkConfirm	Data link confirm		
LnkCnfTmms	ABBIED600_Rev1_ING_SP_1	Data link confirm TO		
LnkReLim	ABBIED600_Rev1_ING_SP_1	Data link retries		
RxTxDlTmms	ABBIED600_Rev1_ING_SP_1	Data link Rx to Tx delay		
CharDl	ABBIED600_Rev1_ING_SP_1	Data link inter char delay		
AplLayCnf	ABBIED600_Rev2_ENG_SP_Enable	App layer confirm		
AplCnfTmms	ABBIED600_Rev1_ING_SP_1	App confirm TO		
AplLayFrg	ABBIED600_Rev1_ING_SP_1	App layer fragment		
URMod	ABBIED600_Rev2_ENG_SP_Enable	UR mode		
URRe	ABBIED600_Rev1_ING_SP_1	UR retries		
URReTmms	ABBIED600_Rev1_ING_SP_1	UR TO		
UROfTm	ABBIED600_Rev4_ING_SP_Unit	UR offline interval		cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_ING_SP_Unit

URCla1	ABBIED600_Rev1_ING_SP_1	UR Class 1 Min events		
UR-Cla1Tmms	ABBIED600_Rev1_ING_SP_1	UR Class 1 TO		
URCla2	ABBIED600_Rev1_ING_SP_1	UR Class 2 Min events		
UR-Cla2Tmms	ABBIED600_Rev1_ING_SP_1	UR Class 2 TO		
URCla3	ABBIED600_Rev1_ING_SP_1	UR Class 3 Min events		
UR-Cla3Tmms	ABBIED600_Rev1_ING_SP_1	UR Class 3 TO		
URLgcy-Mod	ABBIED600_Rev2_ENG_SP_Enable	Legacy master UR		
SBOLgcy-Mod	ABBIED600_Rev2_ENG_SP_Enable	Legacy master SBO		
DftVa1	AB-BIED600_Rev1_ENG_SP_DNPDefVari01	Default Var Obj 01		
DftVa2	AB-BIED600_Rev1_ENG_SP_DNPDefVari02	Default Var Obj 02		
DftVa3	AB-BIED600_Rev1_ENG_SP_DNPDefVari03	Default Var Obj 03		
DftVa4	AB-BIED600_Rev1_ENG_SP_DNPDefVari04	Default Var Obj 04		
DftVa20	AB-BIED600_Rev1_ENG_SP_DNPDefVari20	Default Var Obj 20		

DftVa21	AB-BIED600_Rev2_ENG_SP_DNPDefVari21	Default Var Obj 21		
DftVa22	AB-BIED600_Rev1_ENG_SP_DNPDefVari22	Default Var Obj 22		
DftVa23	AB-BIED600_Rev1_ENG_SP_DNPDefVari23	Default Var Obj 23		
DftVa30	AB-BIED600_Rev1_ENG_SP_DNPDefVari30	Default Var Obj 30		
DftVa32	AB-BIED600_Rev1_ENG_SP_DNPDefVari32	Default Var Obj 32		
DftVa40	AB-BIED600_Rev1_ENG_SP_DNPDefVari40	Default Var Obj 40		
DftVa42	AB-BIED600_Rev1_ENG_SP_DNPDefVari42	Default Var Obj 42		
VldAddr	ABBIED600_Rev2_ENG_SP_Enable	Validate Master Addr		
SelfAddr	ABBIED600_Rev2_ENG_SP_Enable	Self Address Support		
ChLivTms	ABBIED600_Rev1_ING_SP_1_e	Link keep-alive TO	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TCPAuth	ABBIED600_Rev1_ENG_SP_TCPAuth	TCP control authority		
TCPPort	ABBIED600_Rev1_ING_SP_1	TCP port		
ChLiv	ABBIED600_Rev1_SPS_e	Status	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

CommInt-nOv	ABBIED600_Rev1_SPS	Internal Overflow		
IntnOvCnt	ABBIED600_Rev1_INS	Internal Overflow Counter		
FrRxCnt	ABBIED600_Rev1_INS	Received frames		
FrTxCnt	ABBIED600_Rev1_INS	Transmit-ted frames		
LnkErrCnt	ABBIED600_Rev1_INS	Link er-rors		
PhyErrCnt	ABBIED600_Rev1_INS	Physical errors		
TranErrCnt	ABBIED600_Rev1_INS	Transport errors		
MapErrCnt	ABBIED600_Rev1_INS	Mapping errors		
CliIP	ABBIED600_Rev3_VSG_2_20	Client IP address		
CntRs	ABBIED600_Rev2_SPC_control	Diagnos-tic coun-ters reset		
LnkFrLen	ABBIED600_Rev1_ING_SP_1	Data link layer maximum frame length		

5.1.281 3.2.281 LN: DNPLPRT2 Name: LPRT (ED2,ED1)

Related LN(s): LD0.DNPLPRT2.LN type: DNPLPRT2_ED2.

Attribute name	Attribute type	Explana-tion	M/O/E	Remarks
Mod	AB-BIED600_Rev2_ENC_Mod_OffOn_FD_e	Mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

Beh	ABBIED600_Rev4_ENS_beh_e	Behaviour	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_lnNs_1_e	Name plate	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CommPort	AB-BIED600_Rev3_ENG_SP_CommPort_ED2	Port selection		cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: AB-BIED600_ENG_SP_CommPort elp: 0.0.0.0
UnitAddr	ABBIED600_Rev1_ING_SP_1	Unit address		
MstrAddr	ABBIED600_Rev1_ING_SP_1	Master address		
MapSel	ABBIED600_Rev1_ING_SP_1	Mapping selection		
SynIntvTmm	ABBIED600_Rev1_ING_SP_1	Need time interval		
TmFrm	AB-BIED600_Rev2_ENG_SP_MBSTimeFormat	Time format		
CROBSelTms	ABBIED600_Rev1_ING_SP_1	CROB select timeout		
LnkCnf	AB-BIED600_Rev2_ENG_SP_DataLinkConfirm	Data link confirm		
LnkCnfTmms	ABBIED600_Rev1_ING_SP_1	Data link confirm TO		
LnkReLim	ABBIED600_Rev1_ING_SP_1	Data link retries		
RxTxDlTmms	ABBIED600_Rev1_ING_SP_1	Data link Rx to Tx delay		

CharDl	ABBIED600_Rev1_ING_SP_1	Data link inter char delay		
AplLayCnf	ABBIED600_Rev2_ENG_SP_Enable	App layer confirm		
AplCnfT-mms	ABBIED600_Rev1_ING_SP_1	App con-firm TO		
AplLayFrg	ABBIED600_Rev1_ING_SP_1	App layer fragment		
URMod	ABBIED600_Rev2_ENG_SP_Enable	UR mode		
URRe	ABBIED600_Rev1_ING_SP_1	UR retries		
UR-ReTmms	ABBIED600_Rev1_ING_SP_1	UR TO		
UROfTm	ABBIED600_Rev4_ING_SP_Unit	UR offline interval		cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_ING_SP_Unit
URCla1	ABBIED600_Rev1_ING_SP_1	UR Class 1 Min events		
UR-Cla1Tmms	ABBIED600_Rev1_ING_SP_1	UR Class 1 TO		
URCla2	ABBIED600_Rev1_ING_SP_1	UR Class 2 Min events		
UR-Cla2Tmms	ABBIED600_Rev1_ING_SP_1	UR Class 2 TO		
URCla3	ABBIED600_Rev1_ING_SP_1	UR Class 3 Min events		
UR-Cla3Tmms	ABBIED600_Rev1_ING_SP_1	UR Class 3 TO		
URLgcy-Mod	ABBIED600_Rev2_ENG_SP_Enable	Legacy master UR		
SBOLgcy-	ABBIED600_Rev2_ENG_SP_Enable	Legacy		

Mod		master SBO		
DftVa1	AB-BIED600_Rev1_ENG_SP_DNPDefVari01	Default Var Obj 01		
DftVa2	AB-BIED600_Rev1_ENG_SP_DNPDefVari02	Default Var Obj 02		
DftVa3	AB-BIED600_Rev1_ENG_SP_DNPDefVari03	Default Var Obj 03		
DftVa4	AB-BIED600_Rev1_ENG_SP_DNPDefVari04	Default Var Obj 04		
DftVa20	AB-BIED600_Rev1_ENG_SP_DNPDefVari20	Default Var Obj 20		
DftVa21	AB-BIED600_Rev2_ENG_SP_DNPDefVari21	Default Var Obj 21		
DftVa22	AB-BIED600_Rev1_ENG_SP_DNPDefVari22	Default Var Obj 22		
DftVa23	AB-BIED600_Rev1_ENG_SP_DNPDefVari23	Default Var Obj 23		
DftVa30	AB-BIED600_Rev1_ENG_SP_DNPDefVari30	Default Var Obj 30		
DftVa32	AB-BIED600_Rev1_ENG_SP_DNPDefVari32	Default Var Obj 32		
DftVa40	AB-BIED600_Rev1_ENG_SP_DNPDefVari40	Default Var Obj 40		
DftVa42	AB-	Default		

	BIED600_Rev1_ENG_SP_DNPDefVari 42	Var Obj 42		
VldAddr	ABBIED600_Rev2_ENG_SP_Enable	Validate Master Addr		
SelfAddr	ABBIED600_Rev2_ENG_SP_Enable	Self Address Support		
ChLivTms	ABBIED600_Rev1_ING_SP_1_e	Link keep-alive TO	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TCPAuth	ABBIED600_Rev1_ENG_SP_TCPAuth	TCP control authority		
TCPPort	ABBIED600_Rev1_ING_SP_1	TCP port		
ChLiv	ABBIED600_Rev1_SPS_e	Status	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
FrRxCnt	ABBIED600_Rev1_INS	Received frames		
FrTxCnt	ABBIED600_Rev1_INS	Transmitted frames		
LnkErrCnt	ABBIED600_Rev1_INS	Link errors		
PhyErrCnt	ABBIED600_Rev1_INS	Physical errors		
TranErrCnt	ABBIED600_Rev1_INS	Transport errors		
MapErrCnt	ABBIED600_Rev1_INS	Mapping errors		
CliIP	ABBIED600_Rev3_VSG_2_20	Client IP address		
CntRs	ABBIED600_Rev2_SPC_control	Diagnostic counters reset		

LnkFrLen	ABBIED600_Rev1_ING_SP_1	Data link layer maximum frame length		

5.1.282 3.2.282 LN: DNPLPRT3 Name: LPRT (ED2,ED1)

Related LN(s): LD0.DNPLPRT3.LN type: DNPLPRT3_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD_e	Mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Beh	ABBIED600_Rev4_ENS_beh_e	Behaviour	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_lnNs_1_e	Name plate	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CommPort	ABBIED600_Rev3_ENG_SP_CommPort_ED2	Port selection		cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_ENG_SP_CommPort elp: 0.0.0.0
UnitAddr	ABBIED600_Rev1_ING_SP_1	Unit address		
MstrAddr	ABBIED600_Rev1_ING_SP_1	Master address		
MapSel	ABBIED600_Rev1_ING_SP_1	Mapping selection		
SynIntvTmm	ABBIED600_Rev1_ING_SP_1	Need time interval		
TmFrm	ABBIED600_Rev2_ENG_SP_MBSTimeFormat	Time format		
CROBSelT	ABBIED600_Rev1_ING_SP_1	CROB se-		

ms		lect timeout		
LnkCnf	AB-BIED600_Rev2_ENG_SP_DataLinkConfirm	Data link confirm		
LnkCnfT-mms	ABBIED600_Rev1_ING_SP_1	Data link confirm TO		
LnkReLim	ABBIED600_Rev1_ING_SP_1	Data link retries		
RxTxDlT-mms	ABBIED600_Rev1_ING_SP_1	Data link Rx to Tx delay		
CharDl	ABBIED600_Rev1_ING_SP_1	Data link inter char delay		
AplLayCnf	ABBIED600_Rev2_ENG_SP_Enable	App layer confirm		
AplCnfT-mms	ABBIED600_Rev1_ING_SP_1	App con-firm TO		
AplLayFrg	ABBIED600_Rev1_ING_SP_1	App layer fragment		
URMod	ABBIED600_Rev2_ENG_SP_Enable	UR mode		
URRe	ABBIED600_Rev1_ING_SP_1	UR retries		
UR-ReTmms	ABBIED600_Rev1_ING_SP_1	UR TO		
UROfTm	ABBIED600_Rev4_ING_SP_Unit	UR offline interval		cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_ING_SP_Unit
URCla1	ABBIED600_Rev1_ING_SP_1	UR Class 1 Min events		
UR-Cla1Tmms	ABBIED600_Rev1_ING_SP_1	UR Class 1 TO		
URCla2	ABBIED600_Rev1_ING_SP_1	UR Class		

		2 Min events		
UR-Cla2Tmms	ABBIED600_Rev1_ING_SP_1	UR Class 2 TO		
URCla3	ABBIED600_Rev1_ING_SP_1	UR Class 3 Min events		
UR-Cla3Tmms	ABBIED600_Rev1_ING_SP_1	UR Class 3 TO		
URLgcy-Mod	ABBIED600_Rev2_ENG_SP_Enable	Legacy master UR		
SBOLgcy-Mod	ABBIED600_Rev2_ENG_SP_Enable	Legacy master SBO		
DftVa1	AB-BIED600_Rev1_ENG_SP_DNPDefVari01	Default Var Obj 01		
DftVa2	AB-BIED600_Rev1_ENG_SP_DNPDefVari02	Default Var Obj 02		
DftVa3	AB-BIED600_Rev1_ENG_SP_DNPDefVari03	Default Var Obj 03		
DftVa4	AB-BIED600_Rev1_ENG_SP_DNPDefVari04	Default Var Obj 04		
DftVa20	AB-BIED600_Rev1_ENG_SP_DNPDefVari20	Default Var Obj 20		
DftVa21	AB-BIED600_Rev2_ENG_SP_DNPDefVari21	Default Var Obj 21		
DftVa22	AB-BIED600_Rev1_ENG_SP_DNPDefVari22	Default Var Obj 22		

DftVa23	AB-BIED600_Rev1_ENG_SP_DNPDefVari23	Default Var Obj 23		
DftVa30	AB-BIED600_Rev1_ENG_SP_DNPDefVari30	Default Var Obj 30		
DftVa32	AB-BIED600_Rev1_ENG_SP_DNPDefVari32	Default Var Obj 32		
DftVa40	AB-BIED600_Rev1_ENG_SP_DNPDefVari40	Default Var Obj 40		
DftVa42	AB-BIED600_Rev1_ENG_SP_DNPDefVari42	Default Var Obj 42		
VldAddr	ABBIED600_Rev2_ENG_SP_Enable	Validate Master Addr		
SelfAddr	ABBIED600_Rev2_ENG_SP_Enable	Self Address Support		
ChLivTms	ABBIED600_Rev1_ING_SP_1_e	Link keep-alive TO	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TCPAuth	ABBIED600_Rev1_ENG_SP_TCPAuth	TCP control authority		
TCPPort	ABBIED600_Rev1_ING_SP_1	TCP port		
ChLiv	ABBIED600_Rev1_SPS_e	Status	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
FrRxCnt	ABBIED600_Rev1_INS	Received frames		
FrTxCnt	ABBIED600_Rev1_INS	Transmitted frames		
LnkErrCnt	ABBIED600_Rev1_INS	Link er-		

		rors		
PhyErrCnt	ABBIED600_Rev1_INS	Physical errors		
TranErrCnt	ABBIED600_Rev1_INS	Transport errors		
MapErrCnt	ABBIED600_Rev1_INS	Mapping errors		
CliIP	ABBIED600_Rev3_VSG_2_20	Client IP address		
CntRs	ABBIED600_Rev2_SPC_control	Diagnos-tic coun-ters reset		
LnkFrLen	ABBIED600_Rev1_ING_SP_1	Data link layer maximum frame length		

5.1.283 3.2.283 LN: DNPLPRT4 Name: LPRT (ED2,ED1)

Related LN(s): LD0.DNPLPRT4.LN type: DNPLPRT4_ED2.

Attribute name	Attribute type	Explana-tion	M/O/E	Remarks
Mod	AB-BIED600_Rev2_ENC_Mod_OffOn_FD_e	Mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Beh	ABBIED600_Rev4_ENS_beh_e	Behaviour	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_lnNs_1_e	Name plate	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CommPort	AB-BIED600_Rev3_ENG_SP_CommPort_ED2	Port se-lection		cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdc-Name: AB-BIED600_ENG_SP_CommPort elp: 0.0.0.0

UnitAddr	ABBIED600_Rev1_ING_SP_1	Unit address		
MstrAddr	ABBIED600_Rev1_ING_SP_1	Master address		
MapSel	ABBIED600_Rev1_ING_SP_1	Mapping selection		
SynIntvTmm	ABBIED600_Rev1_ING_SP_1	Need time interval		
TmFrm	ABBIED600_Rev2_ENG_SP_MBSTimeFormat	Time format		
CROBSelTms	ABBIED600_Rev1_ING_SP_1	CROB select timeout		
LnkCnf	ABBIED600_Rev2_ENG_SP_DataLinkConfirm	Data link confirm		
LnkCnfTmms	ABBIED600_Rev1_ING_SP_1	Data link confirm TO		
LnkReLim	ABBIED600_Rev1_ING_SP_1	Data link retries		
RxTxDlTmms	ABBIED600_Rev1_ING_SP_1	Data link Rx to Tx delay		
CharDl	ABBIED600_Rev1_ING_SP_1	Data link inter char delay		
AplLayCnf	ABBIED600_Rev2_ENG_SP_Enable	App layer confirm		
AplCnfTmms	ABBIED600_Rev1_ING_SP_1	App confirm TO		
AplLayFrg	ABBIED600_Rev1_ING_SP_1	App layer fragment		

URMod	ABBIED600_Rev2_ENG_SP_Enable	UR mode		
URRe	ABBIED600_Rev1_ING_SP_1	UR retries		
UR-ReTmms	ABBIED600_Rev1_ING_SP_1	UR TO		
UROfTm	ABBIED600_Rev4_ING_SP_Unit	UR offline interval		cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_ING_SP_Unit
URCla1	ABBIED600_Rev1_ING_SP_1	UR Class 1 Min events		
UR-Cla1Tmms	ABBIED600_Rev1_ING_SP_1	UR Class 1 TO		
URCla2	ABBIED600_Rev1_ING_SP_1	UR Class 2 Min events		
UR-Cla2Tmms	ABBIED600_Rev1_ING_SP_1	UR Class 2 TO		
URCla3	ABBIED600_Rev1_ING_SP_1	UR Class 3 Min events		
UR-Cla3Tmms	ABBIED600_Rev1_ING_SP_1	UR Class 3 TO		
URLgcy-Mod	ABBIED600_Rev2_ENG_SP_Enable	Legacy master UR		
SBOLgcy-Mod	ABBIED600_Rev2_ENG_SP_Enable	Legacy master SBO		
DftVa1	AB-BIED600_Rev1_ENG_SP_DNPDefVari01	Default Var Obj 01		
DftVa2	AB-BIED600_Rev1_ENG_SP_DNPDefVari02	Default Var Obj 02		
DftVa3	AB-BIED600_Rev1_ENG_SP_DNPDefVari	Default Var Obj		

	03	03		
DftVa4	AB-BIED600_Rev1_ENG_SP_DNPDefVari 04	Default Var Obj 04		
DftVa20	AB-BIED600_Rev1_ENG_SP_DNPDefVari 20	Default Var Obj 20		
DftVa21	AB-BIED600_Rev2_ENG_SP_DNPDefVari 21	Default Var Obj 21		
DftVa22	AB-BIED600_Rev1_ENG_SP_DNPDefVari 22	Default Var Obj 22		
DftVa23	AB-BIED600_Rev1_ENG_SP_DNPDefVari 23	Default Var Obj 23		
DftVa30	AB-BIED600_Rev1_ENG_SP_DNPDefVari 30	Default Var Obj 30		
DftVa32	AB-BIED600_Rev1_ENG_SP_DNPDefVari 32	Default Var Obj 32		
DftVa40	AB-BIED600_Rev1_ENG_SP_DNPDefVari 40	Default Var Obj 40		
DftVa42	AB-BIED600_Rev1_ENG_SP_DNPDefVari 42	Default Var Obj 42		
VldAddr	ABBIED600_Rev2_ENG_SP_Enable	Validate Master Addr		
SelfAddr	ABBIED600_Rev2_ENG_SP_Enable	Self Address Support		
ChLivTms	ABBIED600_Rev1_ING_SP_1_e	Link keep-	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

		alive TO		
TCPAuth	ABBIED600_Rev1_ENG_SP_TCPAuth	TCP control authority		
TCPPort	ABBIED600_Rev1_ING_SP_1	TCP port		
ChLiv	ABBIED600_Rev1_SPS_e	Status	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
FrRxCnt	ABBIED600_Rev1_INS	Received frames		
FrTxCnt	ABBIED600_Rev1_INS	Transmitted frames		
LnkErrCnt	ABBIED600_Rev1_INS	Link errors		
PhyErrCnt	ABBIED600_Rev1_INS	Physical errors		
TranErrCnt	ABBIED600_Rev1_INS	Transport errors		
MapErrCnt	ABBIED600_Rev1_INS	Mapping errors		
CliIP	ABBIED600_Rev3_VSG_2_20	Client IP address		
CntRs	ABBIED600_Rev2_SPC_control	Diagnostic counters reset		
LnkFrLen	ABBIED600_Rev1_ING_SP_1	Data link layer maximum frame length		

5.1.284 3.2.284 LN: DNPLPRT5 Name: LPRT (ED2,ED1)

Related LN(s): LD0.DNPLPRT5.LN type: DNPLPRT5_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks

Mod	AB-BIED600_Rev2_ENC_Mod_OffOn_FD_e	Mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Beh	ABBIED600_Rev4_ENS_beh_e	Behaviour	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_lnNs_1_e	Name plate	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CommPort	AB-BIED600_Rev3_ENG_SP_CommPort_ED2	Port selection		cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: AB-BIED600_ENG_SP_CommPort elp: 0.0.0.0
UnitAddr	ABBIED600_Rev1_ING_SP_1	Unit address		
MstrAddr	ABBIED600_Rev1_ING_SP_1	Master address		
MapSel	ABBIED600_Rev1_ING_SP_1	Mapping selection		
SynIntvTmm	ABBIED600_Rev1_ING_SP_1	Need time interval		
TmFrm	AB-BIED600_Rev2_ENG_SP_MBSTimeFormat	Time format		
CROBSelTms	ABBIED600_Rev1_ING_SP_1	CROB select timeout		
LnkCnf	AB-BIED600_Rev2_ENG_SP_DataLinkConfirm	Data link confirm		
LnkCnfTmms	ABBIED600_Rev1_ING_SP_1	Data link confirm TO		
LnkReLim	ABBIED600_Rev1_ING_SP_1	Data link retries		

RxTxDlT-mms	ABBIED600_Rev1_ING_SP_1	Data link Rx to Tx delay		
CharDl	ABBIED600_Rev1_ING_SP_1	Data link inter char delay		
AplLayCnf	ABBIED600_Rev2_ENG_SP_Enable	App layer confirm		
AplCnfT-mms	ABBIED600_Rev1_ING_SP_1	App con-firm TO		
AplLayFrg	ABBIED600_Rev1_ING_SP_1	App layer fragment		
URMod	ABBIED600_Rev2_ENG_SP_Enable	UR mode		
URRe	ABBIED600_Rev1_ING_SP_1	UR retries		
UR-ReTmms	ABBIED600_Rev1_ING_SP_1	UR TO		
UROfTm	ABBIED600_Rev4_ING_SP_Unit	UR offline interval		cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_ING_SP_Unit
URCla1	ABBIED600_Rev1_ING_SP_1	UR Class 1 Min events		
UR-Cla1Tmms	ABBIED600_Rev1_ING_SP_1	UR Class 1 TO		
URCla2	ABBIED600_Rev1_ING_SP_1	UR Class 2 Min events		
UR-Cla2Tmms	ABBIED600_Rev1_ING_SP_1	UR Class 2 TO		
URCla3	ABBIED600_Rev1_ING_SP_1	UR Class 3 Min events		
UR-Cla3Tmms	ABBIED600_Rev1_ING_SP_1	UR Class 3 TO		
URLgcy-	ABBIED600_Rev2_ENG_SP_Enable	Legacy		

Mod		master UR		
SBOLgcy-Mod	ABBIED600_Rev2_ENG_SP_Enable	Legacy master SBO		
DftVa1	AB-BIED600_Rev1_ENG_SP_DNPDefVari01	Default Var Obj 01		
DftVa2	AB-BIED600_Rev1_ENG_SP_DNPDefVari02	Default Var Obj 02		
DftVa3	AB-BIED600_Rev1_ENG_SP_DNPDefVari03	Default Var Obj 03		
DftVa4	AB-BIED600_Rev1_ENG_SP_DNPDefVari04	Default Var Obj 04		
DftVa20	AB-BIED600_Rev1_ENG_SP_DNPDefVari20	Default Var Obj 20		
DftVa21	AB-BIED600_Rev2_ENG_SP_DNPDefVari21	Default Var Obj 21		
DftVa22	AB-BIED600_Rev1_ENG_SP_DNPDefVari22	Default Var Obj 22		
DftVa23	AB-BIED600_Rev1_ENG_SP_DNPDefVari23	Default Var Obj 23		
DftVa30	AB-BIED600_Rev1_ENG_SP_DNPDefVari30	Default Var Obj 30		
DftVa32	AB-BIED600_Rev1_ENG_SP_DNPDefVari32	Default Var Obj 32		
DftVa40	AB-	Default		

	BIED600_Rev1_ENG_SP_DNPDefVari 40	Var Obj 40		
DftVa42	AB-BIED600_Rev1_ENG_SP_DNPDefVari 42	Default Var Obj 42		
VldAddr	ABBIED600_Rev2_ENG_SP_Enable	Validate Master Addr		
SelfAddr	ABBIED600_Rev2_ENG_SP_Enable	Self Address Support		
ChLivTms	ABBIED600_Rev1_ING_SP_1_e	Link keep-alive TO	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
TCPAuth	ABBIED600_Rev1_ENG_SP_TCPAuth	TCP control authority		
TCPPort	ABBIED600_Rev1_ING_SP_1	TCP port		
ChLiv	ABBIED600_Rev1_SPS_e	Status	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
FrRxCnt	ABBIED600_Rev1_INS	Received frames		
FrTxCnt	ABBIED600_Rev1_INS	Transmitted frames		
LnkErrCnt	ABBIED600_Rev1_INS	Link errors		
PhyErrCnt	ABBIED600_Rev1_INS	Physical errors		
TranErrCnt	ABBIED600_Rev1_INS	Transport errors		
MapErrCnt	ABBIED600_Rev1_INS	Mapping errors		
CliIPAddr	ABBIED600_Rev3_VSG_2_20	Client IP address		

CntRs	ABBIED600_Rev2_SPC_control	Diagnostic counters reset		
LnkFrLen	ABBIED600_Rev1_ING_SP_1	Data link layer maximum frame length		

5.1.285 3.2.285 LN: I5CLPRT1 Name: LPRT (ED2,ED1)

Related LN(s): LD0.I5CLPRT1.LN type: I5CLPRT1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD_e	Mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Beh	ABBIED600_Rev4_ENS_beh_e	Behaviour	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_lnNs_1_e	Name plate	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CommIntnOv	ABBIED600_Rev1_SPS	Internal Overflow		
CommPort	ABBIED600_Rev3_ENG_SP_CommPort_ED2	Port selection		cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_ENG_SP_CommPort elp: ABB
StrFrDl	ABBIED600_Rev1_ING_SP_1	Start delay		
EndFrDl	ABBIED600_Rev1_ING_SP_1	End delay		
FrRxCnt	ABBIED600_Rev1_INS	Received frames		
LnkErrCnt	ABBIED600_Rev1_INS	Link errors		

PhyErrCnt	ABBIED600_Rev1_INS	Physical errors		
TranErrCnt	ABBIED600_Rev1_INS	Transport errors		
FrTxCnt	ABBIED600_Rev1_INS	Transmit-ted frames		
ChLiv	ABBIED600_Rev1_SPS_e	Status	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ITotFrz	ABBIED600_Rev2_SPC_control	IT Freeze		
DevAddr	ABBIED600_Rev1_ING_SP_1	Device link ad-dress		
ASDUAddr	ABBIED600_Rev1_ING_SP_1	ASDU ad-dress		
TCPPort	ABBIED600_Rev1_ING_SP_1	TCP Port		
LnkMod	AB-BIED600_Rev2_ENG_SP_I5CLinkMode	Link Mode		
COTLen	ABBIED600_Rev1_ING_SP_1	Cause of transmis-sion length in bytes		
IOALen	ABBIED600_Rev1_ING_SP_1	Infor-mation Object Address length in bytes		
LnkAddr-Len	ABBIED600_Rev1_ING_SP_1	Link Ad-dress length in bytes		
ASDUAddr-Len	ABBIED600_Rev1_ING_SP_1	ASDU Address		

		length in bytes		
SglCharRsp	ABBIED600_Rev1_SPG_SP	Single character response		
IndBadTmQ	ABBIED600_Rev1_SPG_SP	Indicate bad time		
TmFrmSel	AB-BIED600_Rev2_ENG_SP_I5CTimeFormat	Timestamp mode		
EvtTmMod	AB-BIED600_Rev2_ENG_SP_I5CTimeMode	Event time		
EvtBufMod	AB-BIED600_Rev2_ENG_SP_MBEvtBufMod	Overflow Mode		
CntRpMod	AB-BIED600_Rev2_ENG_SP_I5CCnRepMode	Counter Reporting		
CntFrzMod	AB-BIED600_Rev2_ENG_SP_I5CPrCnMode	Freeze Mode		
TxWinWid	ABBIED600_Rev1_ING_SP_1	IEC60870-5-104 transmit window (k)		
RxWinWid	ABBIED600_Rev1_ING_SP_1	IEC60870-5-104 receive window (w)		
Tm1Tmms	ABBIED600_Rev1_ING_SP_1	IEC60870-5-104 transmit timeout (t1) in mil-		

		liseconds		
Tm2Tmms	ABBIED600_Rev1_ING_SP_1	IEC60870-5-104 receive timeout (t2) in milliseconds		
Tm3Tmms	ABBIED600_Rev1_ING_SP_1	IEC60870-5-104 link test interval (t3) in milliseconds		
OvIndAddrGI	ABBIED600_Rev1_ING_SP_1	Overflow indication address for interrogated data		
OvIndAddr	ABBIED600_Rev1_ING_SP_1	Overflow indication address for non-interrogated data		
EvtOrdMod	ABBIED600_Rev2_ENG_SP_I5CTStampMode	Event order		
SelTms	ABBIED600_Rev1_ING_SP_1	Select timeout		
CycPer	ABBIED600_Rev1_ING_SP_1	Cyclic period		
InvDIR	ABBIED600_Rev1_SPG_SP	Inverted DIR bit		
ConnRejSck	ABBIED600_Rev1_INS	Connection re-		

		jected due to no socket available		
ConnRejRg	ABBIED600_Rev1_INS	Connection rejected due to unregistered client		
CliIP	ABBIED600_Rev3_VSG_2_20	Client IP address		
CntRs	ABBIED600_Rev2_SPC_control	Diagnostic counters reset		

5.1.286 3.2.286 LN: I5CLPRT2 Name: LPRT (ED2,ED1)

Related LN(s): LD0.I5CLPRT2.LN type: I5CLPRT2_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD_e	Mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Beh	ABBIED600_Rev4_ENS_beh_e	Behaviour	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_lnNs_1_e	Name plate	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
CommIntnOv	ABBIED600_Rev1_SPS	Internal Overflow		
CommPort	ABBIED600_Rev3_ENG_SP_CommPort_ED2	Port selection		cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_ENG_SP_CommPort eIp: ABB

StrFrDl	ABBIED600_Rev1_ING_SP_1	Start delay		
EndFrDl	ABBIED600_Rev1_ING_SP_1	End delay		
FrRxCnt	ABBIED600_Rev1_INS	Received frames		
LnkErrCnt	ABBIED600_Rev1_INS	Link errors		
PhyErrCnt	ABBIED600_Rev1_INS	Physical errors		
TranErrCnt	ABBIED600_Rev1_INS	Transport errors		
FrTxCnt	ABBIED600_Rev1_INS	Transmitted frames		
ChLiv	ABBIED600_Rev1_SPS_e	Status	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ITotFrz	ABBIED600_Rev2_SPC_control	IT Freeze		
DevAddr	ABBIED600_Rev1_ING_SP_1	Device link address		
ASDUAddr	ABBIED600_Rev1_ING_SP_1	ASDU address		
TCPPort	ABBIED600_Rev1_ING_SP_1	TCP Port		
LnkMod	ABBIED600_Rev2_ENG_SP_I5CLinkMode	Link Mode		
COTLen	ABBIED600_Rev1_ING_SP_1	Cause of transmission length in bytes		
IOALen	ABBIED600_Rev1_ING_SP_1	Information Object Address length in		

		bytes		
LnkAddr-Len	ABBIED600_Rev1_ING_SP_1	Link Address length in bytes		
ASDUAddr-Len	ABBIED600_Rev1_ING_SP_1	ASDU Address length in bytes		
SglCharRsp	ABBIED600_Rev1_SPG_SP	Single character response		
IndBadTmQ	ABBIED600_Rev1_SPG_SP	Indicate bad time		
TmFrmSel	ABBIED600_Rev2_ENG_SP_I5CTimeFormat	Timestamp mode		
EvtTmMod	ABBIED600_Rev2_ENG_SP_I5CTimeMode	Event time		
EvtBufMod	ABBIED600_Rev2_ENG_SP_MBEvtBufMod	Overflow Mode		
CntRpMod	ABBIED600_Rev2_ENG_SP_I5CCnRepMode	Counter Reporting		
CntFrzMod	ABBIED600_Rev2_ENG_SP_I5CPrCnMode	Freeze Mode		
TxWinWid	ABBIED600_Rev1_ING_SP_1	IEC60870-5-104 transmit window (k)		
RxWinWid	ABBIED600_Rev1_ING_SP_1	IEC60870-5-104 re-		

		ceive window (w)		
Tm1Tmms	ABBIED600_Rev1_ING_SP_1	IEC60870-5-104 transmit timeout (t1) in milliseconds		
Tm2Tmms	ABBIED600_Rev1_ING_SP_1	IEC60870-5-104 receive timeout (t2) in milliseconds		
Tm3Tmms	ABBIED600_Rev1_ING_SP_1	IEC60870-5-104 link test interval (t3) in milliseconds		
OvIndAddrGI	ABBIED600_Rev1_ING_SP_1	Overflow indication address for interrogated data		
OvIndAddr	ABBIED600_Rev1_ING_SP_1	Overflow indication address for non-interrogated data		
EvtOrdMod	ABBIED600_Rev2_ENG_SP_I5CTStampMode	Event order		

SelTms	ABBIED600_Rev1_ING_SP_1	Select timeout		
CycPer	ABBIED600_Rev1_ING_SP_1	Cyclic period		
InvDIR	ABBIED600_Rev1_SPG_SP	Inverted DIR bit		
ConnRejSck	ABBIED600_Rev1_INS	Connection rejected due to no socket available		
ConnRejRg	ABBIED600_Rev1_INS	Connection rejected due to unregistered client		
CliIP	ABBIED600_Rev3_VSG_2_20	Client IP address		
CntRs	ABBIED600_Rev2_SPC_control	Diagnostic counters reset		

5.1.287 3.2.287 LN: LDPRLRC1 Name: RLRC (ED2,ED1)

Related LN(s): LD0.LDPRLRC1.LN type: LDPRLRC1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD_e	Mode	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Beh	ABBIED600_Rev4_ENS_beh_e	Behaviour	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_lnNs_1_e	Name plate	E	dataNs: REx615

				MICS:2014>IEC 61850-7-4:2003
RcdRs	ABBIED600_Rev2_SPC_control	Reset load profile rec.		
QtySel1	ABBIED600_Rev3_ENG_SP_QtySel	Quantity selection 1		
QtySel2	ABBIED600_Rev3_ENG_SP_QtySel	Quantity selection 2		
QtySel3	ABBIED600_Rev3_ENG_SP_QtySel	Quantity selection 3		
QtySel4	ABBIED600_Rev3_ENG_SP_QtySel	Quantity selection 4		
QtySel5	ABBIED600_Rev3_ENG_SP_QtySel	Quantity selection 5		
QtySel6	ABBIED600_Rev3_ENG_SP_QtySel	Quantity selection 6		
QtySel7	ABBIED600_Rev3_ENG_SP_QtySel	Quantity selection 7		
QtySel8	ABBIED600_Rev3_ENG_SP_QtySel	Quantity selection 8		
QtySel9	ABBIED600_Rev3_ENG_SP_QtySel	Quantity selection 9		
QtySel10	ABBIED600_Rev3_ENG_SP_QtySel	Quantity selection 10		
QtySel11	ABBIED600_Rev3_ENG_SP_QtySel	Quantity selection 11		
QtySel12	ABBIED600_Rev3_ENG_SP_QtySel	Quantity selection 12		
MemUsed	ABBIED600_Rev1_INS_e	Rec. memory used	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
MemWrn	ABBIED600_Rev1_SPS_simple	Memory warning		
MemAlm	ABBIED600_Rev1_SPS_simple	Memory alarm		

MemWrnLev	ABBIED600_Rev1_ING_SP_1	Mem. warning level		
MemAlmLev	ABBIED600_Rev1_ING_SP_1	Mem. alarn level		

5.1.288 3.2.288 LN: LLN0 Name: LLN0 (ED2,ED1)

Related LN(s): CTRL.LLN0.LN type: CTRL_LLN0_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_OnTestBlockOff	Control		
Beh	ABBIED600_Rev4_ENS_beh	Control		
Health	ABBIED600_Rev4_ENS_health	Control		
NamPlt	ABBIED600_Rev2_LPL_CTRLDR_LNN0	Control		
Loc	ABBIED600_Rev1_SPS_retain	Local / Remote		
LocKey	ABBIED600_Rev1_SPS_simple	Local operation	E	
LocSta	ABBIED600_Rev1_SPC_retain	Station operation	E	
GrRef	ABBIED600_Rev4_ORG_SP_1	GrRef		
MltLev	ABBIED600_Rev1_SPG_SP	Multiple levels	E	
CmdBlk	ABBIED600_Rev1_SPC_simple	Commands blocked	E	
LocKeyHMI	ABBIED600_Rev3_ENS_LocKeyHMI_e	Control HMI	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
LocKeyOff	ABBIED600_Rev1_SPS_simple_e	Control disable	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
LocKeyLoc	ABBIED600_Rev1_SPS_simple_e	Control local	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
LocKeyRem	ABBIED600_Rev1_SPS_simple_e	Control remote	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

LocKeySta	ABBIED600_Rev1_SPS_simple_e	Control station	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
LocKeyAll	ABBIED600_Rev1_SPS_simple_e	Control all	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
LocRemMod	ABBIED600_Rev1_ENG_SP_LocRemMod_e	Control mode	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
StaLevSet	ABBIED600_Rev1_ENG_SP_StaLevSet_e	Station au-thority	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.289 3.2.289 LN: LPHD1 Name: LPHD (ED2,ED1)

Related LN(s): CTRL.LPHD1.LN type: LPHD_CTRL.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
PhyNam	ABBIED600_Rev1_DPL_vendor	PhyNam		
PhyHealth	ABBIED600_Rev4_ENS_health	PhyHealth		
Proxy	ABBIED600_Rev1_SPS_simple	Proxy		

5.1.290 3.2.290 LN: CBCILO1 Name: CILO (ED2,ED1)

Related LN(s): CTRL.CBCILO1.LN type: BREAKER1_CILO_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
EnaOpn	ABBIED600_Rev1_SPS	ENA_OPEN		
EnaCls	ABBIED600_Rev1_SPS	ENA_CLOSE		

5.1.291 3.2.291 LN: CBCSWI1 Name: CSWI (ED2,ED1)

Related LN(s): CTRL.CBCSWI1.LN type: BREAKER1_CSWI_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	AB-BIED600_Rev2_ENC_Mod_OffOn_FD	Mode		

Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Loc	ABBIED600_Rev1_SPS	Local operation		
OpCntRs	ABBIED600_Rev2_INC_control_int	Operation counter		
Pos	ABBIED600_Rev8_DPC_control	Switch, general		cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: ABBIED600_DPC_control
OpOpn	ABBIED600_Rev1_ACT_simple	Switch, general		
OpCls	ABBIED600_Rev1_ACT_simple	Switch, general		
SelOpn	ABBIED600_Rev1_SPS	Selection open switch	E	
SelCls	ABBIED600_Rev1_SPS	Selection close switch	E	
PosDlTmms	ABBIED600_Rev1_ING_SP_1_e	Event delay	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosOpn	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit opn	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosCls	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit cls	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosOk	ABBIED600_Rev1_SPS_simple_e	Position OK	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AdpPls	ABBIED600_Rev1_SPG_SP_e	Adaptive pulse	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpnEna	ABBIED600_Rev1_SPS_e	OPEN_ENAD	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ClsEna	ABBIED600_Rev1_SPS_e	CLOSE_ENAD	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
InSynOk	ABBIED600_Rev1_SPS_e	SYNC OK	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

SynItlByps	ABBIED600_Rev1_SPS_e	SYNC_ITL_BYP	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.292 3.2.292 LN: CBXCBR1 Name: XCBR (ED2,ED1)

Related LN(s): CTRL.CBXCBR1.LN type: BREAKER1_XCBR_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Loc	ABBIED600_Rev1_SPS_simple	Local operation		
EEName	ABBIED600_Rev4_DPL_EEName	External equipment name plate		
OpCnt	ABBIED600_Rev1_INS	Operation counter		
Pos	ABBIED600_Rev4_DPC_simple	Switch position		
BlkOpn	ABBIED600_Rev1_SPC_simple	Block opening		
BlkCls	ABBIED600_Rev1_SPC_simple	Block closing		
CBOpCap	ABBIED600_Rev2_ENS_CBOpCap	Circuit breaker operating capability		

5.1.293 3.2.293 LN: DCCILO1 Name: CILO (ED2,ED1)

Related LN(s): CTRL.DCCILO1.LN type: DISCONNECTOR1_CILO_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
EnaOpn	ABBIED600_Rev1_SPS	Enable Open		
EnaCls	ABBIED600_Rev1_SPS	Enable Close		
ItlByps	ABBIED600_Rev1_SPS_e	ITL_BYPASS	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.294 3.2.294 LN: DCCSWI1 Name: CSWI (ED2,ED1)

Related LN(s): CTRL.DCCSWI1.LN type: DISCONNECTOR1_CSWI_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	AB-BIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Loc	ABBIED600_Rev1_SPS	Local operation		
OpCntRs	ABBIED600_Rev2_INC_control_int	Operation counter		
Pos	ABBIED600_Rev8_DPC_control	Switch, general		cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: AB-BIED600_DPC_control
OpOpn	ABBIED600_Rev1_ACT_simple	Switch, general		
OpCls	ABBIED600_Rev1_ACT_simple	Switch, general		
PosDlT-mms	ABBIED600_Rev1_ING_SP_1_e	Event delay	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosOpn	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit opn	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosCls	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit cls	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosOk	ABBIED600_Rev1_SPS_simple_e	Position OK	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AdpPls	ABBIED600_Rev1_SPG_SP_e	Adaptive pulse	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpnEna	ABBIED600_Rev1_SPS_e	OPEN_ENAD	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ClsEna	ABBIED600_Rev1_SPS_e	CLOSE_ENA	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

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5.1.295 3.2.295 LN: DCXSWI1 Name: XSWI (ED2,ED1)

Related LN(s): CTRL.DCXSWI1.LN type: DISCONNECTOR1_XSWI_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Loc	ABBIED600_Rev1_SPS_simple	Local operation		
EEName	ABBIED600_Rev4_DPL_EEName	External equipment name plate		
OpCnt	ABBIED600_Rev1_INS	Operation counter		
Pos	ABBIED600_Rev4_DPC_simple	Switch position		
BlkOpn	ABBIED600_Rev1_SPC_simple	Block opening		
BlkCls	ABBIED600_Rev1_SPC_simple	Block closing		
SwTyp	ABBIED600_Rev1_ENS_SwTyp	Switch type		
SwOpCap	ABBIED600_Rev1_ENS_SwOpCap	Disconnector operating capability		

5.1.296 3.2.296 LN: DCCILO2 Name: CILO (ED2,ED1)

Related LN(s): CTRL.DCCILO2.LN type: DISCONNECTOR2_CILO_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
EnaOpn	ABBIED600_Rev1_SPS	Enable Open		
EnaCls	ABBIED600_Rev1_SPS	Enable Close		
ItlByps	ABBIED600_Rev1_SPS_e	ITL_BYPASS	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.297 3.2.297 LN: DCCSWI2 Name: CSWI (ED2,ED1)

Related LN(s): CTRL.DCCSWI2.LN type: DISCONNECTOR2_CSWI_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	AB-BIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Loc	ABBIED600_Rev1_SPS	Local operation		
OpCntRs	ABBIED600_Rev2_INC_control_int	Operation counter		
Pos	ABBIED600_Rev8_DPC_control	Switch, general		cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: AB-BIED600_DPC_control
OpOpn	ABBIED600_Rev1_ACT_simple	Switch, general		
OpCls	ABBIED600_Rev1_ACT_simple	Switch, general		
PosDlT-mms	ABBIED600_Rev1_ING_SP_1_e	Event delay	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosOpn	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit opn	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosCls	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit cls	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosOk	ABBIED600_Rev1_SPS_simple_e	Position OK	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AdpPls	ABBIED600_Rev1_SPG_SP_e	Adaptive pulse	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpnEna	ABBIED600_Rev1_SPS_e	OPEN_ENAD	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ClsEna	ABBIED600_Rev1_SPS_e	CLOSE_ENA	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

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5.1.298 3.2.298 LN: DCXSWI2 Name: XSWI (ED2,ED1)

Related LN(s): CTRL.DCXSWI2.LN type: DISCONNECTOR2_XSWI_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Loc	ABBIED600_Rev1_SPS_simple	Local operation		
EEName	ABBIED600_Rev4_DPL_EEName	External equipment name plate		
OpCnt	ABBIED600_Rev1_INS	Operation counter		
Pos	ABBIED600_Rev4_DPC_simple	Switch position		
BlkOpn	ABBIED600_Rev1_SPC_simple	Block opening		
BlkCls	ABBIED600_Rev1_SPC_simple	Block closing		
SwTyp	ABBIED600_Rev1_ENS_SwTyp	Switch type		
SwOpCap	ABBIED600_Rev1_ENS_SwOpCap	Disconnector operating capability		

5.1.299 3.2.299 LN: DCCILO3 Name: CILO (ED2,ED1)

Related LN(s): CTRL.DCCILO3.LN type: DISCONNECTOR3_CILO_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
EnaOpn	ABBIED600_Rev1_SPS	Enable Open		
EnaCls	ABBIED600_Rev1_SPS	Enable Close		
ItlByps	ABBIED600_Rev1_SPS_e	ITL_BYPASS	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.300 3.2.300 LN: DCCSWI3 Name: CSWI (ED2,ED1)

Related LN(s): CTRL.DCCSWI3.LN type: DISCONNECTOR3_CSWI_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	AB-BIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Loc	ABBIED600_Rev1_SPS	Local operation		
OpCntRs	ABBIED600_Rev2_INC_control_int	Operation counter		
Pos	ABBIED600_Rev8_DPC_control	Switch, general		cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: AB-BIED600_DPC_control
OpOpn	ABBIED600_Rev1_ACT_simple	Switch, general		
OpCls	ABBIED600_Rev1_ACT_simple	Switch, general		
PosDlT-mms	ABBIED600_Rev1_ING_SP_1_e	Event delay	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosOpn	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit opn	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosCls	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit cls	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosOk	ABBIED600_Rev1_SPS_simple_e	Position OK	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AdpPls	ABBIED600_Rev1_SPG_SP_e	Adaptive pulse	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpnEna	ABBIED600_Rev1_SPS_e	OPEN_ENAD	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ClsEna	ABBIED600_Rev1_SPS_e	CLOSE_ENA	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

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5.1.301 3.2.301 LN: DCXSWI3 Name: XSWI (ED2,ED1)

Related LN(s): CTRL.DCXSWI3.LN type: DISCONNECTOR3_XSWI_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Loc	ABBIED600_Rev1_SPS_simple	Local operation		
EEName	ABBIED600_Rev4_DPL_EEName	External equipment name plate		
OpCnt	ABBIED600_Rev1_INS	Operation counter		
Pos	ABBIED600_Rev4_DPC_simple	Switch position		
BlkOpn	ABBIED600_Rev1_SPC_simple	Block opening		
BlkCls	ABBIED600_Rev1_SPC_simple	Block closing		
SwTyp	ABBIED600_Rev1_ENS_SwTyp	Switch type		
SwOpCap	ABBIED600_Rev1_ENS_SwOpCap	Disconnector operating capability		

5.1.302 3.2.302 LN: DCCILO4 Name: CILO (ED2,ED1)

Related LN(s): CTRL.DCCILO4.LN type: DISCONNECTOR4_CILO_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
EnaOpn	ABBIED600_Rev1_SPS	Enable Open		
EnaCls	ABBIED600_Rev1_SPS	Enable Close		
ItlByps	ABBIED600_Rev1_SPS_e	ITL_BYPASS	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.303 3.2.303 LN: DCCSWI4 Name: CSWI (ED2,ED1)

Related LN(s): CTRL.DCCSWI4.LN type: DISCONNECTOR4_CSWI_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	AB-BIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Loc	ABBIED600_Rev1_SPS	Local operation		
OpCntRs	ABBIED600_Rev2_INC_control_int	Operation counter		
Pos	ABBIED600_Rev8_DPC_control	Switch, general		cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: AB-BIED600_DPC_control
OpOpn	ABBIED600_Rev1_ACT_simple	Switch, general		
OpCls	ABBIED600_Rev1_ACT_simple	Switch, general		
PosDlT-mms	ABBIED600_Rev1_ING_SP_1_e	Event delay	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosOpn	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit opn	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosCls	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit cls	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosOk	ABBIED600_Rev1_SPS_simple_e	Position OK	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
AdpPls	ABBIED600_Rev1_SPG_SP_e	Adaptive pulse	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
OpnEna	ABBIED600_Rev1_SPS_e	OPEN_ENAD	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
ClsEna	ABBIED600_Rev1_SPS_e	CLOSE_ENA	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

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5.1.304 3.2.304 LN: DCXSWI4 Name: XSWI (ED2,ED1)

Related LN(s): CTRL.DCXSWI4.LN type: DISCONNECTOR4_XSWI_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Loc	ABBIED600_Rev1_SPS_simple	Local operation		
EEName	ABBIED600_Rev4_DPL_EEName	External equipment name plate		
OpCnt	ABBIED600_Rev1_INS	Operation counter		
Pos	ABBIED600_Rev4_DPC_simple	Switch position		
BlkOpn	ABBIED600_Rev1_SPC_simple	Block opening		
BlkCls	ABBIED600_Rev1_SPC_simple	Block closing		
SwTyp	ABBIED600_Rev1_ENS_SwTyp	Switch type		
SwOpCap	ABBIED600_Rev1_ENS_SwOpCap	Disconnector operating capability		

5.1.305 3.2.305 LN: DCSXSWI1 Name: XSWI (ED2,ED1)

Related LN(s): CTRL.DCSXSWI1.LN type: DCSXSWI1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Loc	ABBIED600_Rev1_SPS_simple	Local operation		
EEName	ABBIED600_Rev4_DPL_EEName	External equipment name plate		
OpCnt	ABBIED600_Rev1_INS	Operation counter		
Pos	ABBIED600_Rev4_DPC_simple	Switch position		
BlkOpn	ABBIED600_Rev1_SPC_simple	Block opening		
BlkCls	ABBIED600_Rev1_SPC_simple	Block closing		
SwTyp	ABBIED600_Rev1_ENS_SwTyp	Switch type		

SwOpCap	ABBIED600_Rev1_ENS_SwOpCap	Disconnector operating capability		

5.1.306 3.2.306 LN: DCSCSWI1 Name: CSWI (ED2,ED1)

Related LN(s): CTRL.DCSCSWI1.LN type: DCSCSWI1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Pos	ABBIED600_Rev4_DPC_simple	Switch position		
PosDlTmms	ABBIED600_Rev1_ING_SP_1_e	Event delay	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosOpn	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit opn	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosCls	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit cls	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosOk	ABBIED600_Rev1_SPS_simple_e	Position OK	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.307 3.2.307 LN: ESSXSWI1 Name: XSWI (ED2,ED1)

Related LN(s): CTRL.ESSXSWI1.LN type: ESSXSWI1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Loc	ABBIED600_Rev1_SPS_simple	Local operation		
EEName	ABBIED600_Rev4_DPL_EEName	External equipment name plate		
OpCnt	ABBIED600_Rev1_INS	Operation counter		
Pos	ABBIED600_Rev4_DPC_simple	Switch position		
BlkOpn	ABBIED600_Rev1_SPC_simple	Block opening		

BlkCls	ABBIED600_Rev1_SPC_simple	Block closing		
SwTyp	ABBIED600_Rev1_ENS_SwTyp	Switch type		
SwOpCap	ABBIED600_Rev1_ENS_SwOpCap	Disconnector operating capability		

5.1.308 3.2.308 LN: ESSCSWI1 Name: CSWI (ED2,ED1)

Related LN(s): CTRL.ESSCSWI1.LN type: ESSCSWI1_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Pos	ABBIED600_Rev4_DPC_simple	Switch position		
PosDlTmms	ABBIED600_Rev1_ING_SP_1_e	Event delay	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosOpn	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit opn	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosCls	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit cls	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosOk	ABBIED600_Rev1_SPS_simple_e	Position OK	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.309 3.2.309 LN: ESSXSWI2 Name: XSWI (ED2,ED1)

Related LN(s): CTRL.ESSXSWI2.LN type: ESSXSWI2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Loc	ABBIED600_Rev1_SPS_simple	Local operation		
EEName	ABBIED600_Rev4_DPL_EEName	External equipment name plate		
OpCnt	ABBIED600_Rev1_INS	Operation counter		

Pos	ABBIED600_Rev4_DPC_simple	Switch position		
BlkOpn	ABBIED600_Rev1_SPC_simple	Block opening		
BlkCls	ABBIED600_Rev1_SPC_simple	Block closing		
SwTyp	ABBIED600_Rev1_ENS_SwTyp	Switch type		
SwOpCap	ABBIED600_Rev1_ENS_SwOpCap	Disconnector operating capability		

5.1.310 3.2.310 LN: ESSCSWI2 Name: CSWI (ED2,ED1)

Related LN(s): CTRL.ESSCSWI2.LN type: ESSCSWI2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Pos	ABBIED600_Rev4_DPC_simple	Switch position		
PosDlTmms	ABBIED600_Rev1_ING_SP_1_e	Event delay	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosOpn	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit opn	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosCls	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit cls	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosOk	ABBIED600_Rev1_SPS_simple_e	Position OK	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.311 3.2.311 LN: ESSXSWI3 Name: XSWI (ED2,ED1)

Related LN(s): CTRL.ESSXSWI3.LN type: ESSXSWI3_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Loc	ABBIED600_Rev1_SPS_simple	Local operation		

EEName	ABBIED600_Rev4_DPL_EEName	External equipment name plate		
OpCnt	ABBIED600_Rev1_INS	Operation counter		
Pos	ABBIED600_Rev4_DPC_simple	Switch position		
BlkOpn	ABBIED600_Rev1_SPC_simple	Block opening		
BlkCls	ABBIED600_Rev1_SPC_simple	Block closing		
SwTyp	ABBIED600_Rev1_ENS_SwTyp	Switch type		
SwOpCap	ABBIED600_Rev1_ENS_SwOpCap	Disconnector operating capability		

5.1.312 3.2.312 LN: ESSCSWI3 Name: CSWI (ED2,ED1)

Related LN(s): CTRL.ESSCSWI3.LN type: ESSCSWI3_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Pos	ABBIED600_Rev4_DPC_simple	Switch position		
PosDlTmms	ABBIED600_Rev1_ING_SP_1_e	Event delay	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosOpn	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit opn	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosCls	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit cls	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosOk	ABBIED600_Rev1_SPS_simple_e	Position OK	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.313 3.2.313 LN: ESSXSWI4 Name: XSWI (ED2,ED1)

Related LN(s): CTRL.ESSXSWI4.LN type: ESSXSWI4_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		

NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Loc	ABBIED600_Rev1_SPS_simple	Local operation		
EEName	ABBIED600_Rev4_DPL_EEName	External equipment name plate		
OpCnt	ABBIED600_Rev1_INS	Operation counter		
Pos	ABBIED600_Rev4_DPC_simple	Switch position		
BlkOpn	ABBIED600_Rev1_SPC_simple	Block opening		
BlkCls	ABBIED600_Rev1_SPC_simple	Block closing		
SwTyp	ABBIED600_Rev1_ENS_SwTyp	Switch type		
SwOpCap	ABBIED600_Rev1_ENS_SwOpCap	Disconnector operating capability		

5.1.314 3.2.314 LN: ESSCSWI4 Name: CSWI (ED2,ED1)

Related LN(s): CTRL.ESSCSWI4.LN type: ESSCSWI4_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Pos	ABBIED600_Rev4_DPC_simple	Switch position		
PosDlTmms	ABBIED600_Rev1_ING_SP_1_e	Event delay	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosOpn	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit opn	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosCls	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit cls	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosOk	ABBIED600_Rev1_SPS_simple_e	Position OK	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.315 3.2.315 LN: CBCILO2 Name: CILO (ED2,ED1)

Related LN(s): CTRL.CBCILO2.LN type: BREAKER2_CILO_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		

Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
EnaOpn	ABBIED600_Rev1_SPS	ENA_OPEN		
EnaCls	ABBIED600_Rev1_SPS	ENA_CLOSE		

5.1.316 3.2.316 LN: CBCSWI2 Name: CSWI (ED2,ED1)

Related LN(s): CTRL.CBCSWI2.LN type: BREAKER2_CSWI_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	AB-BIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Loc	ABBIED600_Rev1_SPS	Local operation		
OpCntRs	ABBIED600_Rev2_INC_control_int	Operation counter		
Pos	ABBIED600_Rev8_DPC_control	Switch, general		cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdcName: AB-BIED600_DPC_control
OpOpn	ABBIED600_Rev1_ACT_simple	Switch, general		
OpCls	ABBIED600_Rev1_ACT_simple	Switch, general		
SelOpn	ABBIED600_Rev1_SPS	Selection open switch	E	
SelCls	ABBIED600_Rev1_SPS	Selection close switch	E	
PosDlTmms	ABBIED600_Rev1_ING_SP_1_e	Event delay	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosOpn	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit	E	dataNs: REx615 MICS:2014>IEC

		opn			61850-7-4:2003
PosCls	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit cls	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PosOk	ABBIED600_Rev1_SPS_simple_e	Position OK	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AdpPls	ABBIED600_Rev1_SPG_SP_e	Adaptive pulse	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
OpnEna	ABBIED600_Rev1_SPS_e	OPEN_ENAD	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ClsEna	ABBIED600_Rev1_SPS_e	CLOSE_ENAD	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
InSynOk	ABBIED600_Rev1_SPS_e	SYNC OK	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
SynItlByps	ABBIED600_Rev1_SPS_e	SYNC_ITL_BYP	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.317 3.2.317 LN: CBXCBR2 Name: XCBR (ED2,ED1)

Related LN(s): CTRL.CBXCBR2.LN type: BREAKER2_XCBR_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Loc	ABBIED600_Rev1_SPS_simple	Local operation		
EEName	ABBIED600_Rev4_DPL_EEName	External equipment name plate		
OpCnt	ABBIED600_Rev1_INS	Operation counter		
Pos	ABBIED600_Rev4_DPC_simple	Switch position		
BlkOpn	ABBIED600_Rev1_SPC_simple	Block opening		
BlkCls	ABBIED600_Rev1_SPC_simple	Block closing		
CBOpCap	ABBIED600_Rev2_ENS_CBOpCap	Circuit breaker operating capability		

5.1.318 3.2.318 LN: DCCILO5 Name: CILO (ED2,ED1)

Related LN(s): CTRL.DCCILO5.LN type: DISCONNECTOR5_CILO_ED2.

Attribute	Attribute type	Explanation	M/O/E	Remarks

name				
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
EnaOpn	ABBIED600_Rev1_SPS	Enable Open		
EnaCls	ABBIED600_Rev1_SPS	Enable Close		
ItlByps	ABBIED600_Rev1_SPS_e	ITL_BYPASS	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.319 3.2.319 LN: DCCSWI5 Name: CSWI (ED2,ED1)

Related LN(s): CTRL.DCCSWI5.LN type: DISCONNECTOR5_CSWI_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	AB-BIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Loc	ABBIED600_Rev1_SPS	Local opera-tion		
OpCntRs	ABBIED600_Rev2_INC_control_int	Operation counter		
Pos	ABBIED600_Rev8_DPC_control	Switch, general		cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdc-Name: AB-BIED600_DPC_control
OpOpn	ABBIED600_Rev1_ACT_simple	Switch, general		
OpCls	ABBIED600_Rev1_ACT_simple	Switch, general		
PosDIT-	ABBIED600_Rev1_ING_SP_1_e	Event delay	E	dataNs: REx615 MICS:2014>IEC

mms					61850-7-4:2003
PosOpn	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit opn	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PosCls	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit cls	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PosOk	ABBIED600_Rev1_SPS_simple_e	Position OK	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AdpPls	ABBIED600_Rev1_SPG_SP_e	Adaptive pulse	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
OpnEna	ABBIED600_Rev1_SPS_e	OPEN_ENAD	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ClsEna	ABBIED600_Rev1_SPS_e	CLOSE_ENAD	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.320 3.2.320 LN: DCXSWI5 Name: XSWI (ED2,ED1)

Related LN(s): CTRL.DCXSWI5.LN type: DISCONNECTOR5_XSWI_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Loc	ABBIED600_Rev1_SPS_simple	Local operation		
EEName	ABBIED600_Rev4_DPL_EEName	External equipment name plate		
OpCnt	ABBIED600_Rev1_INS	Operation counter		
Pos	ABBIED600_Rev4_DPC_simple	Switch position		
BlkOpn	ABBIED600_Rev1_SPC_simple	Block opening		
BlkCls	ABBIED600_Rev1_SPC_simple	Block closing		
SwTyp	ABBIED600_Rev1_ENS_SwTyp	Switch type		
SwOpCap	ABBIED600_Rev1_ENS_SwOpCap	Disconnector operating capability		

5.1.321 3.2.321 LN: DCCILO6 Name: CILO (ED2,ED1)

Related LN(s): CTRL.DCCILO6.LN type: DISCONNECTOR6_CILO_ED2.

Attribute	Attribute type	Explanation	M/O/E	Remarks

name				
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
EnaOpn	ABBIED600_Rev1_SPS	Enable Open		
EnaCls	ABBIED600_Rev1_SPS	Enable Close		
ItlByps	ABBIED600_Rev1_SPS_e	ITL_BYPASS	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.322 3.2.322 LN: DCCSWI6 Name: CSWI (ED2,ED1)

Related LN(s): CTRL.DCCSWI6.LN type: DISCONNECTOR6_CSWI_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	AB-BIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Loc	ABBIED600_Rev1_SPS	Local opera-tion		
OpCntRs	ABBIED600_Rev2_INC_control_int	Operation counter		
Pos	ABBIED600_Rev8_DPC_control	Switch, general		cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdc-Name: AB-BIED600_DPC_control
OpOpn	ABBIED600_Rev1_ACT_simple	Switch, general		
OpCls	ABBIED600_Rev1_ACT_simple	Switch, general		
PosDIT-	ABBIED600_Rev1_ING_SP_1_e	Event delay	E	dataNs: REx615 MICS:2014>IEC

mms					61850-7-4:2003
PosOpn	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit opn	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PosCls	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit cls	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PosOk	ABBIED600_Rev1_SPS_simple_e	Position OK	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AdpPls	ABBIED600_Rev1_SPG_SP_e	Adaptive pulse	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
OpnEna	ABBIED600_Rev1_SPS_e	OPEN_ENAD	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ClsEna	ABBIED600_Rev1_SPS_e	CLOSE_ENAD	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.323 3.2.323 LN: DCXSWI6 Name: XSWI (ED2,ED1)

Related LN(s): CTRL.DCXSWI6.LN type: DISCONNECTOR6_XSWI_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Loc	ABBIED600_Rev1_SPS_simple	Local operation		
EEName	ABBIED600_Rev4_DPL_EEName	External equipment name plate		
OpCnt	ABBIED600_Rev1_INS	Operation counter		
Pos	ABBIED600_Rev4_DPC_simple	Switch position		
BlkOpn	ABBIED600_Rev1_SPC_simple	Block opening		
BlkCls	ABBIED600_Rev1_SPC_simple	Block closing		
SwTyp	ABBIED600_Rev1_ENS_SwTyp	Switch type		
SwOpCap	ABBIED600_Rev1_ENS_SwOpCap	Disconnector operating capability		

5.1.324 3.2.324 LN: DCCILO7 Name: CILO (ED2,ED1)

Related LN(s): CTRL.DCCILO7.LN type: DISCONNECTOR7_CILO_ED2.

Attribute	Attribute type	Explanation	M/O/E	Remarks

name				
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
EnaOpn	ABBIED600_Rev1_SPS	Enable Open		
EnaCls	ABBIED600_Rev1_SPS	Enable Close		
ItlByps	ABBIED600_Rev1_SPS_e	ITL_BYPASS	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.325 3.2.325 LN: DCCSWI7 Name: CSWI (ED2,ED1)

Related LN(s): CTRL.DCCSWI7.LN type: DISCONNECTOR7_CSWI_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	AB-BIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Loc	ABBIED600_Rev1_SPS	Local opera-tion		
OpCntRs	ABBIED600_Rev2_INC_control_int	Operation counter		
Pos	ABBIED600_Rev8_DPC_control	Switch, general		cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdc-Name: AB-BIED600_DPC_control
OpOpn	ABBIED600_Rev1_ACT_simple	Switch, general		
OpCls	ABBIED600_Rev1_ACT_simple	Switch, general		
PosDIT-	ABBIED600_Rev1_ING_SP_1_e	Event delay	E	dataNs: REx615 MICS:2014>IEC

mms					61850-7-4:2003
PosOpn	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit opn	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PosCls	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit cls	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PosOk	ABBIED600_Rev1_SPS_simple_e	Position OK	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AdpPls	ABBIED600_Rev1_SPG_SP_e	Adaptive pulse	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
OpnEna	ABBIED600_Rev1_SPS_e	OPEN_ENAD	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ClsEna	ABBIED600_Rev1_SPS_e	CLOSE_ENAD	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.326 3.2.326 LN: DCXSWI7 Name: XSWI (ED2,ED1)

Related LN(s): CTRL.DCXSWI7.LN type: DISCONNECTOR7_XSWI_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Loc	ABBIED600_Rev1_SPS_simple	Local operation		
EEName	ABBIED600_Rev4_DPL_EEName	External equipment name plate		
OpCnt	ABBIED600_Rev1_INS	Operation counter		
Pos	ABBIED600_Rev4_DPC_simple	Switch position		
BlkOpn	ABBIED600_Rev1_SPC_simple	Block opening		
BlkCls	ABBIED600_Rev1_SPC_simple	Block closing		
SwTyp	ABBIED600_Rev1_ENS_SwTyp	Switch type		
SwOpCap	ABBIED600_Rev1_ENS_SwOpCap	Disconnector operating capability		

5.1.327 3.2.327 LN: DCCILO8 Name: CILO (ED2,ED1)

Related LN(s): CTRL.DCCILO8.LN type: DISCONNECTOR8_CILO_ED2.

Attribute	Attribute type	Explanation	M/O/E	Remarks

name				
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
EnaOpn	ABBIED600_Rev1_SPS	Enable Open		
EnaCls	ABBIED600_Rev1_SPS	Enable Close		
ItlByps	ABBIED600_Rev1_SPS_e	ITL_BYPASS	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.328 3.2.328 LN: DCCSWI8 Name: CSWI (ED2,ED1)

Related LN(s): CTRL.DCCSWI8.LN type: DISCONNECTOR8_CSWI_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	AB-BIED600_Rev2_ENC_Mod_OffOn_FD	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Loc	ABBIED600_Rev1_SPS	Local opera-tion		
OpCntRs	ABBIED600_Rev2_INC_control_int	Operation counter		
Pos	ABBIED600_Rev8_DPC_control	Switch, general		cdcNs: REx615 MICS:2014>IEC 61850-7-4:2003 cdc-Name: AB-BIED600_DPC_control
OpOpn	ABBIED600_Rev1_ACT_simple	Switch, general		
OpCls	ABBIED600_Rev1_ACT_simple	Switch, general		
PosDIT-	ABBIED600_Rev1_ING_SP_1_e	Event delay	E	dataNs: REx615 MICS:2014>IEC

mms					61850-7-4:2003
PosOpn	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit opn	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PosCls	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit cls	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PosOk	ABBIED600_Rev1_SPS_simple_e	Position OK	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
AdpPls	ABBIED600_Rev1_SPG_SP_e	Adaptive pulse	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
OpnEna	ABBIED600_Rev1_SPS_e	OPEN_ENAD	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ClsEna	ABBIED600_Rev1_SPS_e	CLOSE_ENAD	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.329 3.2.329 LN: DCXSWI8 Name: XSWI (ED2,ED1)

Related LN(s): CTRL.DCXSWI8.LN type: DISCONNECTOR8_XSWI_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Loc	ABBIED600_Rev1_SPS_simple	Local operation		
EEName	ABBIED600_Rev4_DPL_EEName	External equipment name plate		
OpCnt	ABBIED600_Rev1_INS	Operation counter		
Pos	ABBIED600_Rev4_DPC_simple	Switch position		
BlkOpn	ABBIED600_Rev1_SPC_simple	Block opening		
BlkCls	ABBIED600_Rev1_SPC_simple	Block closing		
SwTyp	ABBIED600_Rev1_ENS_SwTyp	Switch type		
SwOpCap	ABBIED600_Rev1_ENS_SwOpCap	Disconnector operating capability		

5.1.330 3.2.330 LN: DCSXSWI2 Name: XSWI (ED2,ED1)

Related LN(s): CTRL.DCSXSWI2.LN type: DCSXSWI2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks

Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Loc	ABBIED600_Rev1_SPS_simple	Local operation		
EEName	ABBIED600_Rev4_DPL_EEName	External equipment name plate		
OpCnt	ABBIED600_Rev1_INS	Operation counter		
Pos	ABBIED600_Rev4_DPC_simple	Switch position		
BlkOpn	ABBIED600_Rev1_SPC_simple	Block opening		
BlkCls	ABBIED600_Rev1_SPC_simple	Block closing		
SwTyp	ABBIED600_Rev1_ENS_SwTyp	Switch type		
SwOpCap	ABBIED600_Rev1_ENS_SwOpCap	Disconnector operating capability		

5.1.331 3.2.331 LN: DCSCSWI2 Name: CSWI (ED2,ED1)

Related LN(s): CTRL.DCSCSWI2.LN type: DCSCSWI2_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Pos	ABBIED600_Rev4_DPC_simple	Switch position		
PosDlTmms	ABBIED600_Rev1_ING_SP_1_e	Event delay	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosOpn	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit opn	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosCls	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit cls	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosOk	ABBIED600_Rev1_SPS_simple_e	Position OK	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.332 3.2.332 LN: ESSXSWI5 Name: XSWI (ED2,ED1)

Related LN(s): CTRL.ESSXSWI5.LN type: ESSXSWI5_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Loc	ABBIED600_Rev1_SPS_simple	Local operation		
EEName	ABBIED600_Rev4_DPL_EEName	External equipment name plate		
OpCnt	ABBIED600_Rev1_INS	Operation counter		
Pos	ABBIED600_Rev4_DPC_simple	Switch position		
BlkOpn	ABBIED600_Rev1_SPC_simple	Block opening		
BlkCls	ABBIED600_Rev1_SPC_simple	Block closing		
SwTyp	ABBIED600_Rev1_ENS_SwTyp	Switch type		
SwOpCap	ABBIED600_Rev1_ENS_SwOpCap	Disconnector operating capability		

5.1.333 3.2.333 LN: ESSCSWI5 Name: CSWI (ED2,ED1)

Related LN(s): CTRL.ESSCSWI5.LN type: ESSCSWI5_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Pos	ABBIED600_Rev4_DPC_simple	Switch position		
PosDlTmms	ABBIED600_Rev1_ING_SP_1_e	Event delay	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosOpn	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit opn	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosCls	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit cls	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

PosOk	ABBIED600_Rev1_SPS_simple_e	Position OK	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.334 3.2.334 LN: ESSXSWI6 Name: XSWI (ED2,ED1)

Related LN(s): CTRL.ESSXSWI6.LN type: ESSXSWI6_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Loc	ABBIED600_Rev1_SPS_simple	Local operation		
EEName	ABBIED600_Rev4_DPL_EEName	External equipment name plate		
OpCnt	ABBIED600_Rev1_INS	Operation counter		
Pos	ABBIED600_Rev4_DPC_simple	Switch position		
BlkOpn	ABBIED600_Rev1_SPC_simple	Block opening		
BlkCls	ABBIED600_Rev1_SPC_simple	Block closing		
SwTyp	ABBIED600_Rev1_ENS_SwTyp	Switch type		
SwOpCap	ABBIED600_Rev1_ENS_SwOpCap	Disconnector operating capability		

5.1.335 3.2.335 LN: ESSCSWI6 Name: CSWI (ED2,ED1)

Related LN(s): CTRL.ESSCSWI6.LN type: ESSCSWI6_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Pos	ABBIED600_Rev4_DPC_simple	Switch position		
PosDlTmms	ABBIED600_Rev1_ING_SP_1_e	Event delay	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosOpn	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit opn	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

PosCls	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit cls	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosOk	ABBIED600_Rev1_SPS_simple_e	Position OK	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.336 3.2.336 LN: ESSXSWI7 Name: XSWI (ED2,ED1)

Related LN(s): CTRL.ESSXSWI7.LN type: ESSXSWI7_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Loc	ABBIED600_Rev1_SPS_simple	Local operation		
EEName	ABBIED600_Rev4_DPL_EEName	External equipment name plate		
OpCnt	ABBIED600_Rev1_INS	Operation counter		
Pos	ABBIED600_Rev4_DPC_simple	Switch position		
BlkOpn	ABBIED600_Rev1_SPC_simple	Block opening		
BlkCls	ABBIED600_Rev1_SPC_simple	Block closing		
SwTyp	ABBIED600_Rev1_ENS_SwTyp	Switch type		
SwOpCap	ABBIED600_Rev1_ENS_SwOpCap	Disconnector operating capability		

5.1.337 3.2.337 LN: ESSCSWI7 Name: CSWI (ED2,ED1)

Related LN(s): CTRL.ESSCSWI7.LN type: ESSCSWI7_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Pos	ABBIED600_Rev4_DPC_simple	Switch position		
PosDlTmms	ABBIED600_Rev1_ING_SP_1_e	Event delay	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

PosOpn	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit opn	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosCls	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit cls	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003
PosOk	ABBIED600_Rev1_SPS_simple_e	Position OK	E	dataNs: REx615 MICS:2014>IEC 61850-7-4:2003

5.1.338 3.2.338 LN: ESSXSWI8 Name: XSWI (ED2,ED1)

Related LN(s): CTRL.ESSXSWI8.LN type: ESSXSWI8_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Loc	ABBIED600_Rev1_SPS_simple	Local operation		
EEName	ABBIED600_Rev4_DPL_EEName	External equipment name plate		
OpCnt	ABBIED600_Rev1_INS	Operation counter		
Pos	ABBIED600_Rev4_DPC_simple	Switch position		
BlkOpn	ABBIED600_Rev1_SPC_simple	Block opening		
BlkCls	ABBIED600_Rev1_SPC_simple	Block closing		
SwTyp	ABBIED600_Rev1_ENS_SwTyp	Switch type		
SwOpCap	ABBIED600_Rev1_ENS_SwOpCap	Disconnector operating capability		

5.1.339 3.2.339 LN: ESSCSWI8 Name: CSWI (ED2,ED1)

Related LN(s): CTRL.ESSCSWI8.LN type: ESSCSWI8_ED1_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
Pos	ABBIED600_Rev4_DPC_simple	Switch position		

PosDlTmms	ABBIED600_Rev1_ING_SP_1_e	Event delay	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PosOpn	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit opn	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PosCls	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit cls	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PosOk	ABBIED600_Rev1_SPS_simple_e	Position OK	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.340 3.2.340 LN: LLN0 Name: LLN0 (ED2,ED1)

Related LN(s): DR.LLN0.LN type: DR_LLN0.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OnOff_NoBlk_FD	Operation		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_CTRLDR_LNN0	Name plate		
GrRef	ABBIED600_Rev4_ORG_SP_1	GrRef		

5.1.341 3.2.341 LN: LPHD1 Name: LPHD (ED2,ED1)

Related LN(s): DR.LPHD1.LN type: LPHD_M.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
PhyNam	ABBIED600_Rev1_DPL_vendor	PhyNam		
PhyHealth	ABBIED600_Rev4_ENS_health	PhyHealth		
Proxy	ABBIED600_Rev1_SPS_simple	Proxy		

5.1.342 3.2.342 LN: RDRE1 Name: RDRE (ED2,ED1)

Related LN(s): DR.RDRE1.LN type: RDRE_type_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev2_LPL_lnNs_Ed2	Name plate		

RcdTrg	ABBIED600_Rev2_SPC_control	Trig record-ing		
MemClr	ABBIED600_Rev2_SPC_control	Disturbance records		
RcdMade	ABBIED600_Rev1_SPS_simple	Recording made		
FltNum	ABBIED600_Rev1_INS	Number of recordings		
RcdStr	ABBIED600_Rev1_SPS_simple	Recording started		
MemUsed	ABBIED600_Rev1_INS	Rec. memory used		
PerTrgTms	ABBIED600_Rev1_ING_SP_time	Periodic trig time		
ExclTmms	ABBIED600_Rev1_ING_SP_time	Exclusion time		
RcdMod	ABBIED600_Rev1_ENG_SP_RcdMod	Operation mode		
RcdDltInd	ABBIED600_Rev1_SPS_simple_e	Recording deleted	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
RmnRcdCap	ABBIED600_Rev1_INS_e	Rem. amount of rec.	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
MemFullSt	ABBIED600_Rev1_SPS_simple_e	Memory full	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
OvWrRcdInd	ABBIED600_Rev1_SPS_simple_e	Overwrite of rec.	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
PreTrgLen	ABBIED600_Rev1_ING_SP_1_e	Pre-trg length	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
RcdLen	ABBIED600_Rev1_ING_SP_1_e	Record length	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StoRteSel	ABBIED600_Rev2_ING_SP_EStoRte_e	Storage rate	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

StoModPer	ABBIED600_Rev2_ENG_SP_EStoMod_e	Stor. mode periodic	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
StoModMan	ABBIED600_Rev2_ENG_SP_EStoMod_e	Stor. mode manual	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PerTmRmn	ABBIED600_Rev1_INS_e	Time to trig-ger	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
PerTrgInd	ABBIED600_Rev1_SPS_simple_e	Periodic trig-gering	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003
ManTrgInd	ABBIED600_Rev1_SPS_simple_e	Manual trig-gering	E	dataNs	REx615 MICS:2014>IEC 61850-7-4:2003

5.1.343 3.2.343 LN: RBDR1 Name: RBDR (ED2,ED1)

Related LN(s): DR.RBDR1, DR.RBDR2, DR.RBDR3, DR.RBDR4, DR.RBDR5, DR.RBDR6, DR.RBDR7, DR.RBDR8, DR.RBDR9, DR.RBDR10, DR.RBDR11, DR.RBDR12, DR.RBDR13, DR.RBDR14, DR.RBDR15, DR.RBDR16, DR.RBDR17, DR.RBDR18, DR.RBDR19, DR.RBDR20, DR.RBDR21, DR.RBDR22, DR.RBDR23, DR.RBDR24, DR.RBDR25, DR.RBDR26, DR.RBDR27, DR.RBDR28, DR.RBDR29, DR.RBDR30, DR.RBDR31, DR.RBDR32, DR.RBDR33, DR.RBDR34, DR.RBDR35, DR.RBDR36, DR.RBDR37, DR.RBDR38, DR.RBDR39, DR.RBDR40, DR.RBDR41, DR.RBDR42, DR.RBDR43, DR.RBDR44, DR.RBDR45, DR.RBDR46, DR.RBDR47, DR.RBDR48, DR.RBDR49, DR.RBDR50, DR.RBDR51, DR.RBDR52, DR.RBDR53, DR.RBDR54, DR.RBDR55, DR.RBDR56, DR.RBDR57, DR.RBDR58, DR.RBDR59, DR.RBDR60, DR.RBDR61, DR.RBDR62, DR.RBDR63, DR.RBDR64.LN type: RBDR_type.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_OnOff_NoBlk	Operation		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		

ChTrg	ABBIED600_Rev1_SPS_simple	Channel triggered		
LevMod	ABBIED600_Rev2_ENG_SP_LevMod	Level trigger mode		
StoMod	ABBIED600_Rev2_ENG_SP_EStoMod_e	Storage mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ExclTmRmn	ABBIED600_Rev1_INS_e	Exclusion time rem.	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
BinInSt	ABBIED600_Rev1_SPS_e	input	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003

5.1.344 3.2.344 LN: RADR1 Name: RADR (ED2,ED1)

Related LN(s): DR.RADR1, DR.RADR2, DR.RADR3, DR.RADR4, DR.RADR5, DR.RADR6, DR.RADR7, DR.RADR8, DR.RADR9, DR.RADR10, DR.RADR11, DR.RADR12.LN type: RADR_type_ED2.

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_OnOff_NoBlk	Operation		
Beh	ABBIED600_Rev4_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	ABBIED600_Rev1_LPL_1	Name plate		
ChTrg	ABBIED600_Rev1_SPS_simple	Channel triggered		
HiTrgLev	ABBIED600_Rev3_ASG_SP_i	High trigger level		
LoTrgLev	ABBIED600_Rev3_ASG_SP_i	Low trigger level		
ChSigSel	ABBIED600_Rev5_ENG_SP_RadrChNum_e	input	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
StoMod	ABBIED600_Rev2_ENG_SP_EStoMod_e	Storage mode	E	dataNs REx615 MICS:2014>IEC 61850-7-4:2003
ExclTmRmn	ABBIED600_Rev1_INS_e	Exclusion	E	dataNs REx615

		time rem.			MICS:2014>IEC 61850-7-4:2003

6 4. Common Data Class Extensions

6.1 4.1 New common data classes

None

6.2 4.2 Extented data classes ED1

6.2.1 4.2.1 ABBIED600_Rev5_ENG_SP_DNPPort_ED2

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks
setVal	Enum	SP		ABBIED600_Rev1_DNPPort		
cdcNs	VisString255	EX			E	
cdcName	VisString255	EX			E	
elp	VisString255	EX			E	

6.2.2 4.2.2 ABBIED600_Rev3_SPG_SP_authority_ED2

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks
setVal	BOOLEAN	SP				
cdcNs	VisString255	EX			E	
cdcName	VisString255	EX			E	
pwdAdmin	VisString255	EX			E	
pwdEng	VisString255	EX			E	
pwdOper	VisString255	EX			E	
pwdView	VisString255	EX			E	

6.2.3 4.2.3 ABBIED600_Rev4_SPS_LocClk_ED2

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks
stVal	BOOLEAN	ST	dchg		M	
q	Quality	ST	qchg		M	
t	Timestamp	ST			M	
cdcNs	VisString255	EX			E	
cdcName	VisString255	EX			E	

time	VisString255	EX			E	
date	VisString255	EX			E	
timeSpring	VisString255	EX			E	
dateSpring	VisString255	EX			E	
offsetSpring	INT16	EX			E	
daySpring	Enum	EX		ABBIED600_Rev1_weekday	E	
timeAutumn	VisString255	EX			E	
dateAutumn	VisString255	EX			E	
dayAutumn	Enum	EX		ABBIED600_Rev1_weekday	E	
offsetSpringMinVal	INT16	CF				
offsetSpringMaxVal	INT16	CF				

6.2.4 4.2.4 ABBIED600_Rev4_ING_SG_Unit

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks
setVal	INT32	SG				
minVal	INT32	CF				
maxVal	INT32	CF				
stepSize	INT32U	CF				
cdcNs	VisString255	EX			E	
cdcName	VisString255	EX			E	
units	Struct	CF		ABBIED600_Rev3_Unit		

6.2.5 4.2.5 ABBIED600_Rev4_ING_SP_Unit

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks
setVal	INT32	SP				
minVal	INT32	CF				
maxVal	INT32	CF				
stepSize	INT32U	CF				
cdcNs	VisString255	EX			E	
cdcName	VisString255	EX			E	
units	Struct	CF		ABBIED600_Rev3_Unit		

6.2.6 4.2.6 ABBIED600_Rev3_ENG_SP_CommPort_ED2

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks
setVal	Enum	SP		ABBIED600_Rev2_CommPort		
cdcNs	VisString255	EX			E	
cdcName	VisString255	EX			E	
elp	VisString255	EX			E	

6.2.7 4.2.7 ABBIED600_Rev5_ENG_SP_I5CPort_ED2

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks
setVal	Enum	SP		ABBIED600_Rev1_I5CPort		
cdcNs	VisString255	EX			E	
cdcName	VisString255	EX			E	
elp	VisString255	EX			E	

6.2.8 4.2.8 ABBIED600_Rev5_ENC_mod_control_ED2

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks
Oper	Struct	CO		ABBIED600_Rev1_tcOper_Mod_OnTestOff	O	
stVal	Enum	ST	dchg	ABBIED600_Rev1_BehaviourModeKind_OnTestOff	M	
q	Quality	ST	qchg		M	
t	Timestamp	ST			M	
ctlModel	Enum	CF		ABBIED600_Rev1_CtlModelKind_StatusDirect	M	
cdcNs	VisString255	EX			E	
cdcName	VisString255	EX			E	
blockIn	BOOLEAN	EX			E	
bits	INT8U	ST				
storVal	INT8U	SP				

6.2.9 4.2.9 ABBIED600_Rev5_ENC_Mod_OnTestblockedOff_FD_ED2

Attrib-ute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Re-marks

Oper	Struct	CO		ABBIED600_Rev1_tcOper_Mod_OnTestblockedOff	O	
stVal	Enum	ST	dchg	AB-BIED600_Rev1_BehaviourModeKind_OnTestblockedOff	M	
q	Quality	ST	qchg		M	
t	Timestamp	ST			M	
ctlModel	Enum	CF		ABBIED600_Rev1_CtlModelKind_StatusDirect	M	
cdcNs	Vis-String255	EX			E	
cdc-Name	Vis-String255	EX			E	
blockIn	BOOLEAN	EX			E	
bits	INT8U	ST				
storVal	INT8U	SP				

6.2.10 4.2.10 ABBIED600_Rev5_ENC_Mod_OnTestOff__ED2

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks
Oper	Struct	CO		ABBIED600_Rev1_tcOper_Mod_OnTestOff	O	
stVal	Enum	ST	dchg	ABBIED600_Rev1_BehaviourModeKind_OnTestOff	M	
q	Quality	ST	qchg		M	
t	Timestamp	ST			M	
ctlModel	Enum	CF		ABBIED600_Rev1_CtlModelKind_StatusDirect	M	
cdcNs	VisString255	EX			E	
cdcName	VisString255	EX			E	
blockIn	BOOLEAN	EX			E	
bits	INT8U	ST				
storVal	INT8U	SP				

6.2.11 4.2.11 ABBIED600_Rev5_ENC_Mod_OnTest_ED2

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks

Oper	Struct	CO		ABBIED600_Rev1_tcOper_Mod_OnTest	O	
stVal	Enum	ST	dchg	ABBIED600_Rev1_BehaviourModeKind_OnTest	M	
q	Quality	ST	qchg		M	
t	Timestamp	ST			M	
ctlModel	Enum	CF		ABBIED600_Rev1_CtlModelKind_StatusDirect	M	
cdcNs	VisString255	EX			E	
cdcName	VisString255	EX			E	
blockIn	BOOLEAN	EX			E	
bits	INT8U	ST				
storVal	INT8U	SP				

6.2.12 4.2.12 ABBIED600_Rev5_ENC_Mod_OnOff_FD_ED2

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks
Oper	Struct	CO		ABBIED600_Rev1_tcOper_Mod_OnOff	O	
stVal	Enum	ST	dchg	ABBIED600_Rev1_BehaviourModeKind_OnOff	M	
q	Quality	ST	qchg		M	
t	Timestamp	ST			M	
ctlModel	Enum	CF		ABBIED600_Rev1_CtlModelKind_StatusDirect	M	
cdcNs	VisString255	EX			E	
cdcName	VisString255	EX			E	
blockIn	BOOLEAN	EX			E	
bits	INT8U	ST				
storVal	INT8U	SP				

6.2.13 4.2.13 ABBIED600_Rev5_ENC_Mod_OnOff_ED2

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks
Oper	Struct	CO		ABBIED600_Rev1_tcOper_Mod_OnOff	O	
stVal	Enum	ST	dchg	ABBIED600_Rev1_BehaviourModeKind_OnOff	M	
q	Quality	ST	qchg		M	
t	Timestamp	ST			M	

ctlModel	Enum	CF		ABBIED600_Rev1_CtlModelKind_StatusDirect	M	
cdcNs	VisString255	EX			E	
cdcName	VisString255	EX			E	
blockIn	BOOLEAN	EX			E	
bits	INT8U	ST				
storVal	INT8U	SP				

6.2.14 4.2.14 ABBIED600_Rev4_ENC_Mod_On_Blk_ED2

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks
stVal	Enum	ST	dchg	BehaviourModeKind	M	
q	Quality	ST	qchg		M	
t	Timestamp	ST			M	
ctlModel	Enum	CF		ABBIED600_Rev1_CtlModelKind_Status	M	
cdcNs	VisString255	EX			E	
cdcName	VisString255	EX			E	
blockIn	BOOLEAN	EX			E	
bits	INT8U	ST				

6.2.15 4.2.15 ABBIED600_Rev11_ENS_error

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks
stVal	Enum	ST	dchg	ABBIED600_Rev7_Health_Error	M	
q	Quality	ST	qchg		M	
t	Timestamp	ST			M	
cdcNs	VisString255	EX			E	
cdcName	VisString255	EX			E	
debug	VisString255	EX			E	
eDiag1	INT32U	EX			E	
eDiag2	INT32U	EX			E	
eDiag3	INT32U	EX			E	
eDiag4	INT32U	EX			E	

6.2.16 4.2.16 ABBIED600_Rev11_ENS_error

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks
stVal	Enum	ST	dchg	ABBIED600_Rev7_Health_Error	M	
q	Quality	ST	qchg		M	
t	Timestamp	ST			M	
eDiag1	INT32U	EX			E	
eDiag2	INT32U	EX			E	
eDiag3	INT32U	EX			E	
eDiag4	INT32U	EX			E	

6.2.17 4.2.17 ABBIED600_Rev3_INS_Unit

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks
stVal	INT32	ST	dchg		M	
q	Quality	ST	qchg		M	
t	Timestamp	ST			M	
minVal	INT32	CF				
maxVal	INT32	CF				
cdcNs	VisString255	EX			E	
cdcName	VisString255	EX			E	
units	Struct	CF		ABBIED600_Rev3_Unit		

6.2.18 4.2.18 ABB_REX615_IINS_Auth_Pwd_1

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks
stVal	INT32	ST	dchg		M	
q	Quality	ST	qchg		M	
t	Timestamp	ST			M	
pwdChan	VisString255	EX			E	

6.2.19 4.2.19 ABB_REX615_IINS_Auth_Usr_1

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks
stVal	INT32	ST	dchg		M	
q	Quality	ST	qchg		M	

t	Timestamp	ST			M	
UsrNam	VisString255	EX			E	
RolNam	VisString255	EX			E	

6.2.20 4.2.20 ABBIED600_Rev8_LPL_LD0_LNN0_ED2

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks
vendor	VisString255	DC				
swRev	VisString255	DC				
d	VisString255	DC			M	
configRev	VisString255	DC				
paramRev	INT32	ST	dchg			
valRev	INT32	ST	dchg			
ldNs	VisString255	EX				
cdcNs	VisString255	EX			E	
cdcName	VisString255	EX			E	
eFD	VisString255	EX			E	

6.2.21 4.2.21 ABBIED600_Rev3_LPL_mms

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks
vendor	VisString255	DC				
swRev	VisString255	DC				
d	VisString255	DC			M	
lnNs	VisString255	EX				
cdcNs	VisString255	EX			E	
cdcName	VisString255	EX			E	
elp1	VisString255	EX			E	
elp2	VisString255	EX			E	
elp3	VisString255	EX			E	
elp4	VisString255	EX			E	
elp5	VisString255	EX			E	

6.2.22 4.2.22 ABBIED600_Rev7_LPL_MBS_ED2

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks
vendor	VisString255	DC				
swRev	VisString255	DC				
d	VisString255	DC			M	
lnNs	VisString255	EX				
cdcNs	VisString255	EX			E	
cdcName	VisString255	EX			E	
clientIP	VisString255	EX			E	
ctrlStructPassWd1	VisString255	EX			E	
ctrlStructPassWd2	VisString255	EX			E	
ctrlStructPassWd3	VisString255	EX			E	
ctrlStructPassWd4	VisString255	EX			E	
ctrlStructPassWd5	VisString255	EX			E	
ctrlStructPassWd6	VisString255	EX			E	
ctrlStructPassWd7	VisString255	EX			E	
ctrlStructPassWd8	VisString255	EX			E	

6.2.23 4.2.23 ABBIED600_Rev5_LPL_tms_ED2

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks
vendor	VisString255	DC				
swRev	VisString255	DC				
d	VisString255	DC			M	
lnNs	VisString255	EX				
cdcNs	VisString255	EX			E	
cdcName	VisString255	EX			E	
mstrId	VisString255	EX			E	
elpSNTPpri	VisString255	EX			E	
elpSNTPsec	VisString255	EX			E	

6.2.24 4.2.24 ABBIED600_Rev5_LPL_LD0_LINF_ED2

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks

vendor	VisString255	DC				
swRev	VisString255	DC				
d	VisString255	DC			M	
lnNs	VisString255	EX				
cdcNs	VisString255	EX			E	
cdcName	VisString255	EX			E	
eConfName	VisString255	EX			E	
eBayName	VisString255	EX			E	
eDevRev	VisString255	EX			E	
eCustomer	VisString255	EX			E	
eStreet	VisString255	EX			E	
eHouseNum	VisString255	EX			E	
eZip	VisString255	EX			E	
eCity	VisString255	EX			E	
eState	VisString255	EX			E	
eCountry	VisString255	EX			E	

6.2.25 4.2.25 ABBIED600_Rev6_LPL_LD0_LTIM

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks
vendor	VisString255	DC				
swRev	VisString255	DC				
d	VisString255	DC			M	
lnNs	VisString255	EX				
cdcNs	VisString255	EX			E	
cdcName	VisString255	EX			E	
occDT	INT16U	EX			E	
occTypeDT	Enum	EX		ABBIED600_Rev1_setCal_occType	E	
occPerDT	Enum	EX		ABBIED600_Rev1_setCal_occPer	E	
weekDayDT	Enum	EX		ABBIED600_Rev1_setCal_weekDay	E	
monthDT	Enum	EX		ABBIED600_Rev1_setCal_month	E	
dayDT	INT8U	EX			E	

hrDT	INT8U	EX			E	
mnDT	INT8U	EX			E	
occST	INT16U	EX			E	
occTypeST	Enum	EX		ABBIED600_Rev1_setCal_occType	E	
occPerST	Enum	EX		ABBIED600_Rev1_setCal_occPer	E	
weekDayST	Enum	EX		ABBIED600_Rev1_setCal_weekDay	E	
monthST	Enum	EX		ABBIED600_Rev1_setCal_month	E	
dayST	INT8U	EX			E	
hrST	INT8U	EX			E	
mnST	INT8U	EX			E	
tmSys	VisString255	EX			E	
dateSys	VisString255	EX			E	
occMinVal	INT8U	CF				
occMaxVal	INT8U	CF				
dayMinVal	INT8U	CF				
dayMaxVal	INT8U	CF				
hrMinVal	INT8U	CF				
hrMaxVal	INT8U	CF				
mnMinVal	INT8U	CF				
mnMaxVal	INT8U	CF				

6.2.26 4.2.26 ABBIED600_Rev2_LPL_LD0_LDEV_ED2

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks
vendor	VisString255	DC				
swRev	VisString255	DC				
d	VisString255	DC			M	
lnNs	VisString255	EX				
cdcNs	VisString255	EX			E	
cdcName	VisString255	EX			E	
eSwDate	VisString255	EX			E	
eSwNum	VisString255	EX			E	

eProdDate	VisString255	EX			E	
eOrdNum	VisString255	EX			E	
eMacAddr	VisString255	EX			E	
eMacAddr1	VisString255	EX			E	
eIp	VisString255	EX			E	
eIpSubNet	VisString255	EX			E	
eIpGateWay	VisString255	EX			E	
eIpFront	VisString255	EX			E	

6.2.27 4.2.27 ABBIED600_Rev3_LPL_1tsg_setCal

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks
vendor	VisString255	DC				
swRev	VisString255	DC				
d	VisString255	DC			M	
lnNs	VisString255	EX				
cdcNs	VisString255	EX			E	
cdcName	VisString255	EX			E	
occ	INT16U	EX			E	
occType	Enum	EX		ABBIED600_Rev1_setCal_occType	E	
occPer	Enum	EX		ABBIED600_Rev1_setCal_occPer	E	
weekDay	Enum	EX		ABBIED600_Rev1_setCal_weekDay	E	
month	Enum	EX		ABBIED600_Rev1_setCal_month	E	
day	INT8U	EX			E	
hr	INT8U	EX			E	
mn	INT8U	EX			E	
occMinVal	INT8U	CF				
occMaxVal	INT8U	CF				
dayMinVal	INT8U	CF				
dayMaxVal	INT8U	CF				
hrMinVal	INT8U	CF				
hrMaxVal	INT8U	CF				

mnMinVal	INT8U	CF				
mnMaxVal	INT8U	CF				

6.2.28 4.2.28 ABBIED600_Rev6_DPL_ied

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks
vendor	VisString255	DC				
hwRev	VisString255	DC				
swRev	VisString255	DC				
serNum	VisString255	DC				
model	VisString255	DC				
location	VisString255	DC				
cdcNs	VisString255	EX			E	
cdcName	VisString255	EX			E	
name	VisString64	DC				

6.2.29 4.2.29 ABBIED600_Rev8_DPL_eeprom_2_ED2

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks
vendor	VisString255	DC				
hwRev	VisString255	DC				
swRev	VisString255	DC				
serNum	VisString255	DC				
model	VisString255	DC				
cdcNs	VisString255	EX			E	
cdcName	VisString255	EX			E	
eManDate	VisString255	EX			E	
eTestStatId	VisString255	EX			E	
eTesterId	VisString255	EX			E	
eTestDate	VisString255	EX			E	
eHwId	VisString255	EX			E	

6.2.30 4.2.30 ABBIED600_Rev5_DPL_eeprom_1_ED2

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks

vendor	VisString255	DC				
hwRev	VisString255	DC				
swRev	VisString255	DC				
serNum	VisString255	DC				
model	VisString255	DC				
cdcNs	VisString255	EX			E	
cdcName	VisString255	EX			E	
eManDate	VisString255	EX			E	
eTestStatId	VisString255	EX			E	
eTesterId	VisString255	EX			E	
eTestDate	VisString255	EX			E	
eHwId	VisString255	EX			E	

6.2.31 4.2.31 ABBIED600_Rev4_DPC_simple

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks
stVal	Dbpos	ST	dchg		M	
q	Quality	ST	qchg		M	
t	Timestamp	ST			M	
ctlModel	Enum	CF		ABBIED600_Rev1_CtlModelKind_Status	M	
d	VisString255	DC			O	
dU	Unicode255	DC			O	
resCmdRsp	INT32	EX			E	

6.2.32 4.2.32 ABBIED600_Rev8_DPC_control

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks
SBOw	Struct	CO		ABBIED600_Rev1_tcOper	O	
Oper	Struct	CO		ABBIED600_Rev1_tcOper	O	
Cancel	Struct	CO		ABBIED600_Rev1_tcCancel	O	
stVal	Dbpos	ST	dchg		M	

q	Quality	ST	qchg		M	
t	Timestamp	ST			M	
stSeld	BOOLEAN	ST	dchg			
pulseConfig	Struct	CF		PulseConfig		
ctlModel	Enum	CF		AB-BIED600_Rev1_CtlModelKind_StatusDirectSbo	M	
sboTimeout	INT32U	CF				
d	Vis-String255	DC			O	
dU	Unicode255	DC			O	
cdcNs	Vis-String255	EX			E	
cdcName	Vis-String255	EX			E	
operTimeout	INT32U	CF				
sboTimeoutStep-Size	INT32U	CF				
sboTimeoutMin-Val	INT32U	CF				
sboTimeout-MaxVal	INT32U	CF				
operTimeoutMin-Val	INT32U	CF				
operTimeout-MaxVal	INT32U	CF				
strSBOwOn	BOOLEAN	CO				
strSBOwOff	BOOLEAN	CO				
strOperOn	BOOLEAN	CO				
strOperOff	BOOLEAN	C				

		O				
strCancel	BOOLEAN	C O				
resCmdRsp	INT32	EX			E	

6.2.33 4.2.33 ABBIED600_Rev1_LPL_RSS

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks
stValA	BOOLEAN	ST				
stValB	BOOLEAN	ST				
q	Quality	ST	qchg		M	
t	Timestamp	ST			M	
errRateA	INT32U	ST				
errRateB	INT32U	ST				
appName	VisString255	CF				
addr	VisString255	CF				
d	VisString255	DC			O	
dU	VisString255	DC			O	
cdcNs	VisString255	EX			E	
cdcName	VisString255	EX			E	
dataNs	VisString255	EX				

6.2.34 4.2.34 ABBIED600_Rev1_TSG_SP_setCal_2

Attribute name	Attribute type	FC	TrgOp	Value/Value range	M/O/E	Remarks
setCal	Struct	SP		ABBIED600_Rev1_setCal		
cdcNs	VisString255	EX			E	
cdcName	VisString255	EX			E	
occMinVal	INT8U	CF				
occMaxVal	INT8U	CF				
dayMinVal	INT8U	CF				
dayMaxVal	INT8U	CF				
hrMinVal	INT8U	CF				
hrMaxVal	INT8U	CF				

mnMinVal	INT8U	CF				
mnMaxVal	INT8U	CF				

7 5. Enum type extensions

7.1 5.1 New Enum types

7.1.1 5.1.1 ABBIED600_Rev1_OpModSC

Value	Description	Remarks
1	Off	Synchro check mode,Synchro check operation mode
2	Synchronous	Synchro check mode,Synchro check operation mode
3	Asynchronous	Synchro check mode,Synchro check operation mode

7.1.2 5.1.2 ABBIED600_Rev2_OpModCtrl

Value	Description	Remarks
1	Continuous	Control mode,Selection of synchro check command or Continuous control mode
2	Command	Control mode,Selection of synchro check command or Continuous control mode
3	Autosynchronization	Control mode,Selection of synchro check command or Continuous control mode

7.1.3 5.1.3 ABBIED600_Rev1_EnergSt

Value	Description	Remarks
0	Unknown	ENERG_STATE,Energization state of Line and Bus
1	Both Live	ENERG_STATE,Energization state of Line and Bus
2	Live L, Dead B	ENERG_STATE,Energization state of Line and Bus
3	Dead L, Live B	ENERG_STATE,Energization state of Line and Bus
4	Both Dead	ENERG_STATE,Energization state of Line and Bus

7.1.4 5.1.4 ABBIED600_Rev5_TestCtlKind

Value	Description	Remarks
0	Reset	SECRSYN1,Test control for outputs
1	Activate START	SECRSYN1,Test control for outputs

2	Deactive START	SECRSYN1,Test control for outputs
3	Activate ALARM	SECRSYN1,Test control for outputs
4	Deactive ALARM	SECRSYN1,Test control for outputs
5	Activate OPEN_CB	SECRSYN1,Test control for outputs
6	Deactive OPEN_CB	SECRSYN1,Test control for outputs
7	Activate CLOSE_CB	SECRSYN1,Test control for outputs
8	Deactive CLOSE_CB	SECRSYN1,Test control for outputs
9	Activate CMD_WAIT	SECRSYN1,Test control for outputs
10	Deactive CMD_WAIT	SECRSYN1,Test control for outputs
11	Activate PROT_CRD	SECRSYN1,Test control for outputs
12	Deactive PROT_CRD	SECRSYN1,Test control for outputs
13	Activate INPRO	SECRSYN1,Test control for outputs
14	Deactive INPRO	SECRSYN1,Test control for outputs
15	Activate LOCKED	SECRSYN1,Test control for outputs
16	Deactive LOCKED	SECRSYN1,Test control for outputs
17	Activate UNSUC_RECL	SECRSYN1,Test control for outputs
18	Deactive UNSUC_RECL	SECRSYN1,Test control for outputs
19	Activate AR_ON	SECRSYN1,Test control for outputs
20	Deactive AR_ON	SECRSYN1,Test control for outputs
21	Activate READY	SECRSYN1,Test control for outputs
22	Deactive READY	SECRSYN1,Test control for outputs
23	Activate RAISE	SECRSYN1,Test control for outputs
24	Deactive RAISE	SECRSYN1,Test control for outputs
25	Activate LOWER	SECRSYN1,Test control for outputs
26	Deactive LOWER	SECRSYN1,Test control for outputs
27	Activate PAR_FAIL	SECRSYN1,Test control for outputs
28	Deactive PAR_FAIL	SECRSYN1,Test control for outputs
29	Activate SYNC_INPRO	SECRSYN1,Test control for outputs
30	Deactive SYNC_INPRO	SECRSYN1,Test control for outputs
31	Activate SYNC_OK	SECRSYN1,Test control for outputs
32	Deactive SYNC_OK	SECRSYN1,Test control for outputs

33	Activate CL_FAIL_AL	SECRSYN1,Test control for outputs
34	Deactive CL_FAIL_AL	SECRSYN1,Test control for outputs
35	Activate CMD_FAIL_AL	SECRSYN1,Test control for outputs
36	Deactive CMD_FAIL_AL	SECRSYN1,Test control for outputs
37	Activate LLDB	SECRSYN1,Test control for outputs
38	Deactive LLDB	SECRSYN1,Test control for outputs
39	Activate LLLB	SECRSYN1,Test control for outputs
40	Deactive LLLB	SECRSYN1,Test control for outputs
41	Activate DLLB	SECRSYN1,Test control for outputs
42	Deactive DLLB	SECRSYN1,Test control for outputs
43	Activate DLDB	SECRSYN1,Test control for outputs
44	Deactive DLDB	SECRSYN1,Test control for outputs
45	Activate ACTIVE	SECRSYN1,Test control for outputs
46	Deactive ACTIVE	SECRSYN1,Test control for outputs
47	Activate OPEN_CB1	SECRSYN1,Test control for outputs
48	Deactive OPEN_CB1	SECRSYN1,Test control for outputs
49	Activate CLOSE_CB1	SECRSYN1,Test control for outputs
50	Deactive CLOSE_CB1	SECRSYN1,Test control for outputs
51	Activate OPEN_CB2	SECRSYN1,Test control for outputs
52	Deactive OPEN_CB2	SECRSYN1,Test control for outputs
53	Activate CLOSE_CB2	SECRSYN1,Test control for outputs
54	Deactive CLOSE_CB2	SECRSYN1,Test control for outputs
55	Activate BLKD_AL	SECRSYN1,Test control for outputs
56	Deactive BLKD_AL	SECRSYN1,Test control for outputs
57	Activate AS_CONFLICT	SECRSYN1,Test control for outputs
58	Deactive AS_CONFLICT	SECRSYN1,Test control for outputs
59	Activate LBDG	SECRSYN1,Test control for outputs
60	Deactive LBDG	SECRSYN1,Test control for outputs
61	Activate LBLG	SECRSYN1,Test control for outputs
62	Deactive LBLG	SECRSYN1,Test control for outputs
63	Activate DBLG	SECRSYN1,Test control for outputs

64	Deactive DBLG	SECRSYN1,Test control for outputs
65	Activate DBDG	SECRSYN1,Test control for outputs
66	Deactive DBDG	SECRSYN1,Test control for outputs
67	Activate SYNC_INPRO	SECRSYN1,Test control for outputs
68	Deactive SYNC_INPRO	SECRSYN1,Test control for outputs
69	Activate SYNC_OK	SECRSYN1,Test control for outputs
70	Deactive SYNC_OK	SECRSYN1,Test control for outputs
71	Activate MATCH_INPRO	SECRSYN1,Test control for outputs
72	Deactive MATCH_INPRO	SECRSYN1,Test control for outputs
73	Activate MATCH_OK	SECRSYN1,Test control for outputs
74	Deactive MATCH_OK	SECRSYN1,Test control for outputs
75	Activate CL_CB_CMD	SECRSYN1,Test control for outputs
76	Deactive CL_CB_CMD	SECRSYN1,Test control for outputs
77	Activate CMD_FAIL_AL	SECRSYN1,Test control for outputs
78	Deactive CMD_FAIL_AL	SECRSYN1,Test control for outputs
79	Activate CL_FAIL_AL	SECRSYN1,Test control for outputs
80	Deactive CL_FAIL_AL	SECRSYN1,Test control for outputs
81	Activate RAISE_U	SECRSYN1,Test control for outputs
82	Deactive RAISE_U	SECRSYN1,Test control for outputs
83	Activate LOWER_U	SECRSYN1,Test control for outputs
84	Deactive LOWER_U	SECRSYN1,Test control for outputs
85	Activate RAISE_F	SECRSYN1,Test control for outputs
86	Deactive RAISE_F	SECRSYN1,Test control for outputs
87	Activate LOWER_F	SECRSYN1,Test control for outputs
88	Deactive LOWER_F	SECRSYN1,Test control for outputs
89	Activate GOV_DROOP	SECRSYN1,Test control for outputs
90	Deactive GOV_DROOP	SECRSYN1,Test control for outputs
91	Activate AVR_DROOP	SECRSYN1,Test control for outputs
92	Deactive AVR_DROOP	SECRSYN1,Test control for outputs

7.1.5 5.1.5 ABBIED600_Rev1_CtlModelKind_StatusDirect

Value	Description	Remarks

0	status-only	
1	direct-with-normal-security	

7.1.6 5.1.6 ABBIED600_Rev2_MeasMod

Value	Description	Remarks
1	RMS	Measurement mode,Selects used measurement mode
2	DFT	Measurement mode,Selects used measurement mode
3	Peak-to-Peak	Measurement mode,Selects used measurement mode
4	P-to-P + backup	Measurement mode,Selects used measurement mode
5	Wide P-to-P	Measurement mode,Selects used measurement mode

7.1.7 5.1.7 ABBIED600_Rev2_StrPhSel

Value	Description	Remarks
1	1 out of 3	Num of phases,Number of phases required by limit supervision
2	2 out of 3	Num of phases,Number of phases required by limit supervision
3	3 out of 3	Num of phases,Number of phases required by limit supervision
4	Exactly 1 of 3	Num of phases,Number of phases required by limit supervision
5	Exactly 2 of 3	Num of phases,Number of phases required by limit supervision
6	Exactly 3 of 3	Num of phases,Number of phases required by limit supervision

7.1.8 5.1.8 ABBIED600_Rev1_DefHzSel

Value	Description	Remarks
1	Nominal	Def frequency Sel,Default frequency selection
2	Zero	Def frequency Sel,Default frequency selection

7.1.9 5.1.9 ABBIED600_Rev1_OpModSG

Value	Description	Remarks
0	Operator	SG operation mode,Operation mode for setting group change
1	Logic mode 1	SG operation mode,Operation mode for setting group change
2	Logic mode 2	SG operation mode,Operation mode for setting group change

7.1.10 5.1.10 ABBIED600_Rev1_CpySG

Value	Description	Remarks

1	Cancel	Copy group 1,Copy setting group 1 values into selected group
2	Copy 1 into 2	Copy group 1,Copy setting group 1 values into selected group
3	Copy 1 into 3	Copy group 1,Copy setting group 1 values into selected group
4	Copy 1 into 4	Copy group 1,Copy setting group 1 values into selected group
5	Copy 1 into 5	Copy group 1,Copy setting group 1 values into selected group
6	Copy 1 into 6	Copy group 1,Copy setting group 1 values into selected group
99	Copy 1 into all	Copy group 1,Copy setting group 1 values into selected group

7.1.11 5.1.11 ABBIED600_Rev1_CtlModelKind_Status

Value	Description	Remarks
0	status-only	

7.1.12 5.1.12 ABBIED600_Rev1_SetSvMaxDl

Value	Description	Remarks
0	1.90 1.58 ms	SMV Max Delay,SMV Maximum allowed delay
1	3.15 2.62 ms	SMV Max Delay,SMV Maximum allowed delay
2	4.40 3.67 ms	SMV Max Delay,SMV Maximum allowed delay
3	5.65 4.71 ms	SMV Max Delay,SMV Maximum allowed delay
4	6.90 5.75 ms	SMV Max Delay,SMV Maximum allowed delay

7.1.13 5.1.13 ABBIED600_Rev1_BlkMod

Value	Description	Remarks
0	Use Global	Blocking mode,Behaviour for function BLOCK inputs
1	Freeze timer	Blocking mode,Behaviour for function BLOCK inputs
2	Block all	Blocking mode,Behaviour for function BLOCK inputs
3	Block OPERATE output	Blocking mode,Behaviour for function BLOCK inputs

7.1.14 5.1.14 ABBIED600_Rev1_HzSet

Value	Description	Remarks
1	50Hz	Rated frequency,Rated frequency of the network
2	60Hz	Rated frequency,Rated frequency of the network

7.1.15 5.1.15 ABBIED600_Rev1_PhRotSet

Value	Description	Remarks
1	ABC	Phase rotation,Phase rotation order
2	ACB	Phase rotation,Phase rotation order

7.1.16 5.1.16 ABBIED600_Rev1_PhOrdSet

Value	Description	Remarks
1	ABC	Phase order mode,Selection for phase connection order
2	BCA	Phase order mode,Selection for phase connection order
3	CAB	Phase order mode,Selection for phase connection order
4	ACB	Phase order mode,Selection for phase connection order
5	CBA	Phase order mode,Selection for phase connection order
6	BAC	Phase order mode,Selection for phase connection order

7.1.17 5.1.17 ABBIED600_Rev1_DmdAvMod

Value	Description	Remarks
1	Linear	A demand Av mode,Current demand calculation method
2	Logarithmic	A demand Av mode,Current demand calculation method

7.1.18 5.1.18 ABBIED600_Rev1_dmdItrv

Value	Description	Remarks
0	1 minute	Demand interval,Interval for demand calculation
1	5 minutes	Demand interval,Interval for demand calculation
2	10 minutes	Demand interval,Interval for demand calculation
3	15 minutes	Demand interval,Interval for demand calculation
4	30 minutes	Demand interval,Interval for demand calculation
5	60 minutes	Demand interval,Interval for demand calculation
6	180 minutes	Demand interval,Interval for demand calculation

7.1.19 5.1.19 ABBIED600_Rev1_ModRemCtl

Value	Description	Remarks
1	Off	Remote test mode,Authority for remote activation of test mode
2	Maintenance	Remote test mode,Authority for remote activation of test mode

3	All levels	Remote test mode,Authority for remote activation of test mode

7.1.20 5.1.20 ABBIED600_Rev4_Languages

Value	Description	Remarks
1	English (us,iec)	Language selection,Language selection
2	English (us,ansi)	Language selection,Language selection
3	Chinese (cn,iec)	Language selection,Language selection
4	German (de,iec)	Language selection,Language selection
5	Swedish (se,iec)	Language selection,Language selection
6	Spanish (es,iec)	Language selection,Language selection
7	Russian (ru,iec)	Language selection,Language selection
8	Polish (pl,iec)	Language selection,Language selection
9	Portuguese (br,iec)	Language selection,Language selection
10	Portuguese (pt,iec)	Language selection,Language selection
11	Italian (it,iec)	Language selection,Language selection
12	Finnish (fi,iec)	Language selection,Language selection
13	French (fr,iec)	Language selection,Language selection
14	Norwegian (no,iec)	Language selection,Language selection
15	Czech (cz,iec)	Language selection,Language selection
16	Arabic (sa,iec)	Language selection,Language selection
17	Farsi (ir,iec)	Language selection,Language selection
18	Korean (kr,iec)	Language selection,Language selection
19	Flam (nl,iec)	Language selection,Language selection
20	Danish (dk, iec)	Language selection,Language selection
21	Spanish (mx,ansi)	Language selection,Language selection
22	Portuguese (br,ansi)	Language selection,Language selection
23	Turkish (tr,iec)	Language selection,Language selection
24	Croatian (hr,iec)	Language selection,Language selection
25	Ukrainian (ua,iec)	Language selection,Language selection
26	Hungarian (hu,iec)	Language selection,Language selection
27	Language 1	Language selection,Language selection
28	Language 2	Language selection,Language selection

29	Language 3	Language selection,Language selection
30	Language 4	Language selection,Language selection
31	Language 5	Language selection,Language selection
32	Language 6	Language selection,Language selection
33	Language 7	Language selection,Language selection
34	Language 8	Language selection,Language selection
35	Language 9	Language selection,Language selection
36	Language 10	Language selection,Language selection

7.1.21 5.1.21 ABBIED600_Rev4_LanguageFiles

Value	Description	Remarks
1	en-US-IEC	Language files,Name of the language files
2	en-US-ANSI	Language files,Name of the language files
3	zh-CN-IEC	Language files,Name of the language files
4	de-DE-IEC	Language files,Name of the language files
5	sv-SE-IEC	Language files,Name of the language files
6	es-ES-IEC	Language files,Name of the language files
7	ru-RU-IEC	Language files,Name of the language files
8	pl-PL-IEC	Language files,Name of the language files
9	pt-BR-IEC	Language files,Name of the language files
10	pt-PT-IEC	Language files,Name of the language files
11	it-IT-IEC	Language files,Name of the language files
12	fi-FI-IEC	Language files,Name of the language files
13	fr-FR-IEC	Language files,Name of the language files
14	nb-NO-IEC	Language files,Name of the language files
15	cs-CZ-IEC	Language files,Name of the language files
16	ar-SA-IEC	Language files,Name of the language files
17	fa-IR-IEC	Language files,Name of the language files
18	ko-KR-IEC	Language files,Name of the language files
19	nl-NL-IEC	Language files,Name of the language files
20	da-DK-IEC	Language files,Name of the language files
21	es-MX-ANSI	Language files,Name of the language files

22	pt-BR-ANSI	Language files,Name of the language files
23	tr-TR-IEC	Language files,Name of the language files
24	hr-HR-IEC	Language files,Name of the language files
25	uk-UA-IEC	Language files,Name of the language files
26	hu-HU-IEC	Language files,Name of the language files
27	language1	Language files,Name of the language files
28	language2	Language files,Name of the language files
29	language3	Language files,Name of the language files
30	language4	Language files,Name of the language files
31	language5	Language files,Name of the language files
32	language6	Language files,Name of the language files
33	language7	Language files,Name of the language files
34	language8	Language files,Name of the language files
35	language9	Language files,Name of the language files
36	language10	Language files,Name of the language files

7.1.22 5.1.22 ABBIED600_Rev1_FormatTime

Value	Description	Remarks
1	24H:MM:SS:MS	Time format,Time format
2	12H:MM:SS:MS	Time format,Time format

7.1.23 5.1.23 ABBIED600_Rev1_FormatDate

Value	Description	Remarks
1	DD.MM.YYYY	Date format,Date format
2	DD/MM/YYYY	Date format,Date format
3	DD-MM-YYYY	Date format,Date format
4	MM.DD.YYYY	Date format,Date format
5	MM/DD/YYYY	Date format,Date format
6	YYYY-MM-DD	Date format,Date format
7	YYYY-DD-MM	Date format,Date format
8	YYYY/DD/MM	Date format,Date format

7.1.24 5.1.24 ABBIED600_Rev1_NamingConvention

Value	Description	Remarks
1	IEC61850	FB naming convention,FB naming convention used in IED
2	IEC60617	FB naming convention,FB naming convention used in IED
3	IEC-ANSI	FB naming convention,FB naming convention used in IED
4	ANSI-ANSI	FB naming convention,FB naming convention used in IED
5	CHINESE	FB naming convention,FB naming convention used in IED

7.1.25 5.1.25 ABBIED600_Rev3_DefaultView

Value	Description	Remarks
1	Measurements	Default view,LHMI default view
2	Main menu	Default view,LHMI default view
3	SLD	Default view,LHMI default view

7.1.26 5.1.26 ABBIED600_Rev2_WhmiMod

Value	Description	Remarks
1	Active read only	Web HMI mode,Web HMI functionality
2	Active	Web HMI mode,Web HMI functionality
3	Disabled	Web HMI mode,Web HMI functionality
4	Active secure only	Web HMI mode,Web HMI functionality
5	Secure station	Web HMI mode,Web HMI functionality

7.1.27 5.1.27 ABBIED600_Rev1_SLDSymbolFormat

Value	Description	Remarks
1	IEC	SLD symbol format,Single Line Diagram symbol format
2	ANSI	SLD symbol format,Single Line Diagram symbol format

7.1.28 5.1.28 ABBIED600_Rev1_InUseMod

Value	Description	Remarks
1	In use	Close delay mode,Selection for using delayed LHMI close
2	Not in use	Close delay mode,Selection for using delayed LHMI close

7.1.29 5.1.29 ABBIED600_Rev1_SetVsb

Value	Description	Remarks
1	Basic	Setting visibility,Setting visibility for HMI
2	Advanced	Setting visibility,Setting visibility for HMI

7.1.30 5.1.30 ABBIED600_Rev8_AuthAcs

Value	Description	Remarks
0	No activity	Viewer access,Viewer authority actions
1	Configuration change	Viewer access,Viewer authority actions
2	Firmware change	Viewer access,Viewer authority actions
3	Firmware change fail	Viewer access,Viewer authority actions
4	Attached to retrofit test case	Viewer access,Viewer authority actions
5	Removed from retrofit test case	Viewer access,Viewer authority actions
10	Setting group remote	Viewer access,Viewer authority actions
11	Setting group local	Viewer access,Viewer authority actions
20	Control remote	Viewer access,Viewer authority actions
21	Control local	Viewer access,Viewer authority actions
22	Test on	Viewer access,Viewer authority actions
23	Test off	Viewer access,Viewer authority actions
24	Reset trips	Viewer access,Viewer authority actions
30	Setting commit	Viewer access,Viewer authority actions
33	Time change	Viewer access,Viewer authority actions
40	Audit log access	Viewer access,Viewer authority actions
41	Login	Viewer access,Viewer authority actions
42	Logout	Viewer access,Viewer authority actions
43	Logout timed	Viewer access,Viewer authority actions
50	Password change	Viewer access,Viewer authority actions
51	Password/id creation	Viewer access,Viewer authority actions
52	Password/id deletion	Viewer access,Viewer authority actions
60	Firmware reset	Viewer access,Viewer authority actions
61	Audit overflow	Viewer access,Viewer authority actions

70	Violation remote	Viewer access,Viewer authority actions
71	Violation local	Viewer access,Viewer authority actions

7.1.31 5.1.31 ABBIED600_Rev1_AuthAcsLev

Value	Description	Remarks
1	None	Authority logging,Authority logging level
2	Configuration change	Authority logging,Authority logging level
3	Setting group	Authority logging,Authority logging level
4	Setting group, control	Authority logging,Authority logging level
5	Settings edit	Authority logging,Authority logging level
6	All	Authority logging,Authority logging level

7.1.32 5.1.32 ABBIED600_Rev1_AlmLedSt

Value	Description	Remarks
0	None	Programmable LED 1,Status of programmable LED 1
1	Ok	Programmable LED 1,Status of programmable LED 1
2	Warning	Programmable LED 1,Status of programmable LED 1
3	Alarm	Programmable LED 1,Status of programmable LED 1

7.1.33 5.1.33 ABBIED600_Rev2_LedMode

Value	Description	Remarks
0	Follow-S	Alarm mode,Alarm mode for programmable LED 1
1	Follow-F	Alarm mode,Alarm mode for programmable LED 1
2	Latched-S	Alarm mode,Alarm mode for programmable LED 1
3	LatchedAck-F-S	Alarm mode,Alarm mode for programmable LED 1

7.1.34 5.1.34 ABBIED600_Rev2_LedColor

Value	Description	Remarks
1	Green	Alarm colour,Colour for the alarm state of the LED
2	Red	Alarm colour,Colour for the alarm state of the LED
3	Yellow	Alarm colour,Colour for the alarm state of the LED

7.1.35 5.1.35 ABBIED600_Rev5_SyncSrc

Value	Description	Remarks
0	None	Synch source,Time synchronization source
1	SNTP	Synch source,Time synchronization source
2	Modbus	Synch source,Time synchronization source
3	IEEE 1588	Synch source,Time synchronization source
5	IRIG-B	Synch source,Time synchronization source
8	Line differential	Synch source,Time synchronization source
9	DNP	Synch source,Time synchronization source
16	IEC60870-5-101	Synch source,Time synchronization source
17	IEC60870-5-103	Synch source,Time synchronization source
18	IEC60870-5-104	Synch source,Time synchronization source

7.1.36 5.1.36 ABBIED600_Rev3_TmSrc

Value	Description	Remarks
0	Not defined	Synch source,Current time source
1	SNTP primary	Synch source,Current time source
2	SNTP secondary	Synch source,Current time source
3	SNTP tertiary or further	Synch source,Current time source
4	IEEE 1588 master	Synch source,Current time source
5	IEEE 1588 slave	Synch source,Current time source
6	IEEE 1588 further	Synch source,Current time source
7	IRIG-B	Synch source,Current time source
8	DNP 3.0	Synch source,Current time source
9	Modbus	Synch source,Current time source
10	SPA	Synch source,Current time source
11	LON VATS	Synch source,Current time source
12	LON other	Synch source,Current time source
13	PPS	Synch source,Current time source
14	Minute pulse	Synch source,Current time source
15	local GPS	Synch source,Current time source

16	IEC60870-5-101	Synch source,Current time source
17	IEC60870-5-103	Synch source,Current time source
18	IEC60870-5-104	Synch source,Current time source
19	EXT	Synch source,Current time source
20	LHMI	Synch source,Current time source
21	Line differential	Synch source,Current time source
99	Free running, locally generated	Synch source,Current time source

7.1.37 5.1.37 ABBIED600_Rev1_PTPTmSrc

Value	Description	Remarks
1	Atomic clock	Grandmaster time Src,GrandMaster timeSource enum according to PTPv2
2	GPS	Grandmaster time Src,GrandMaster timeSource enum according to PTPv2
3	Terrestial radio	Grandmaster time Src,GrandMaster timeSource enum according to PTPv2
4	PTP	Grandmaster time Src,GrandMaster timeSource enum according to PTPv2
5	NTP	Grandmaster time Src,GrandMaster timeSource enum according to PTPv2
6	Hand set	Grandmaster time Src,GrandMaster timeSource enum according to PTPv2
7	Other	Grandmaster time Src,GrandMaster timeSource enum according to PTPv2
8	Internal oscil.	Grandmaster time Src,GrandMaster timeSource enum according to PTPv2

7.1.38 5.1.38 ABBIED600_Rev1_PTPClkAcc

Value	Description	Remarks
1	25 ns	Grandmaster accuracy,Grandmaster clockAccuracy enum according to PTPv2
2	100 ns	Grandmaster accuracy,Grandmaster clockAccuracy enum according to PTPv2
3	250 ns	Grandmaster accuracy,Grandmaster clockAccuracy enum according to PTPv2
4	1 us	Grandmaster accuracy,Grandmaster clockAccuracy enum according to PTPv2
5	2.5 us	Grandmaster accuracy,Grandmaster clockAccuracy enum according to PTPv2
6	10 us	Grandmaster accuracy,Grandmaster clockAccuracy enum according to PTPv2
7	25 us	Grandmaster accuracy,Grandmaster clockAccuracy enum according to PTPv2
8	100 us	Grandmaster accuracy,Grandmaster clockAccuracy enum according to PTPv2
9	250 us	Grandmaster accuracy,Grandmaster clockAccuracy enum according to PTPv2
10	1 ms	Grandmaster accuracy,Grandmaster clockAccuracy enum according to PTPv2
11	2.5 ms	Grandmaster accuracy,Grandmaster clockAccuracy enum according to PTPv2

12	10 ms	Grandmaster accuracy,Grandmaster clockAccuracy enum according to PTPv2
13	25 ms	Grandmaster accuracy,Grandmaster clockAccuracy enum according to PTPv2
14	100 ms	Grandmaster accuracy,Grandmaster clockAccuracy enum according to PTPv2
15	250 ms	Grandmaster accuracy,Grandmaster clockAccuracy enum according to PTPv2
16	1 s	Grandmaster accuracy,Grandmaster clockAccuracy enum according to PTPv2
17	10 s	Grandmaster accuracy,Grandmaster clockAccuracy enum according to PTPv2
18	more than 10 s	Grandmaster accuracy,Grandmaster clockAccuracy enum according to PTPv2

7.1.39 5.1.39 ABBIED600_Rev1_PTPAnncMod

Value	Description	Remarks
1	Basic IEEE1588	PTP announce mode,PTP announce frame mode
2	Power Profile	PTP announce mode,PTP announce frame mode

7.1.40 5.1.40 ABBIED600_Rev2_TestProKind

Value	Description	Remarks
0	Reset	DPHLPDOC1,Test control for outputs
1	Activate START	DPHLPDOC1,Test control for outputs
2	Deactive START	DPHLPDOC1,Test control for outputs
3	Activate ST_A	DPHLPDOC1,Test control for outputs
4	Deactive ST_A	DPHLPDOC1,Test control for outputs
5	Activate ST_B	DPHLPDOC1,Test control for outputs
6	Deactive ST_B	DPHLPDOC1,Test control for outputs
7	Activate ST_C	DPHLPDOC1,Test control for outputs
8	Deactive ST_C	DPHLPDOC1,Test control for outputs
9	Activate OPERATE	DPHLPDOC1,Test control for outputs
10	Deactive OPERATE	DPHLPDOC1,Test control for outputs
11	Activate OPR_A	DPHLPDOC1,Test control for outputs
12	Deactive OPR_A	DPHLPDOC1,Test control for outputs
13	Activate OPR_B	DPHLPDOC1,Test control for outputs
14	Deactive OPR_B	DPHLPDOC1,Test control for outputs
15	Activate OPR_C	DPHLPDOC1,Test control for outputs
16	Deactive OPR_C	DPHLPDOC1,Test control for outputs

17	Activate ALARM	DPHLPDOC1,Test control for outputs
18	Deactive ALARM	DPHLPDOC1,Test control for outputs
19	Activate WARNING	DPHLPDOC1,Test control for outputs
20	Deactive WARNING	DPHLPDOC1,Test control for outputs
21	Activate BLK_CLOSE	DPHLPDOC1,Test control for outputs
22	Deactive BLK_CLOSE	DPHLPDOC1,Test control for outputs
23	Activate BLK_EF	DPHLPDOC1,Test control for outputs
24	Deactive BLK_EF	DPHLPDOC1,Test control for outputs
25	Activate ARC_FLT_DET	DPHLPDOC1,Test control for outputs
26	Deactive ARC_FLT_DET	DPHLPDOC1,Test control for outputs
27	Activate STR_LS_LOC	DPHLPDOC1,Test control for outputs
28	Deactive STR_LS_LOC	DPHLPDOC1,Test control for outputs
29	Activate STR_LS_REM	DPHLPDOC1,Test control for outputs
30	Deactive STR_LS_REM	DPHLPDOC1,Test control for outputs
31	Activate OPR_LS_LOC	DPHLPDOC1,Test control for outputs
32	Deactive OPR_LS_LOC	DPHLPDOC1,Test control for outputs
33	Activate OPR_LS_REM	DPHLPDOC1,Test control for outputs
34	Deactive OPR_LS_REM	DPHLPDOC1,Test control for outputs
35	Activate OPR_HS_LOC	DPHLPDOC1,Test control for outputs
36	Deactive OPR_HS_LOC	DPHLPDOC1,Test control for outputs
37	Activate OPR_HS_REM	DPHLPDOC1,Test control for outputs
38	Deactive OPR_HS_REM	DPHLPDOC1,Test control for outputs
39	Activate RSTD2H_LOC	DPHLPDOC1,Test control for outputs
40	Deactive RSTD2H_LOC	DPHLPDOC1,Test control for outputs
41	Activate RSTD2H_REM	DPHLPDOC1,Test control for outputs
42	Deactive RSTD2H_REM	DPHLPDOC1,Test control for outputs
43	Activate PROT_ACTIVE	DPHLPDOC1,Test control for outputs
44	Deactive PROT_ACTIVE	DPHLPDOC1,Test control for outputs
45	Activate RESTORE	DPHLPDOC1,Test control for outputs
46	Deactive RESTORE	DPHLPDOC1,Test control for outputs
47	Activate RELEASE	DPHLPDOC1,Test control for outputs

48	Deactive RELEASE	DPHLPDOC1,Test control for outputs
49	Activate OPR_IIT	DPHLPDOC1,Test control for outputs
50	Deactive OPR_IIT	DPHLPDOC1,Test control for outputs
51	Activate OPR_STALL	DPHLPDOC1,Test control for outputs
52	Deactive OPR_STALL	DPHLPDOC1,Test control for outputs
53	Activate MOT_START	DPHLPDOC1,Test control for outputs
54	Deactive MOT_START	DPHLPDOC1,Test control for outputs
55	Activate LOCK_START	DPHLPDOC1,Test control for outputs
56	Deactive LOCK_START	DPHLPDOC1,Test control for outputs
57	Activate BLK_RESTART	DPHLPDOC1,Test control for outputs
58	Deactive BLK_RESTART	DPHLPDOC1,Test control for outputs
59	Activate OPR_LS	DPHLPDOC1,Test control for outputs
60	Deactive OPR_LS	DPHLPDOC1,Test control for outputs
61	Activate OPR_HS	DPHLPDOC1,Test control for outputs
62	Deactive OPR_HS	DPHLPDOC1,Test control for outputs
63	Activate BLKD2H	DPHLPDOC1,Test control for outputs
64	Deactive BLKD2H	DPHLPDOC1,Test control for outputs
65	Activate BLKD5H	DPHLPDOC1,Test control for outputs
66	Deactive BLKD5H	DPHLPDOC1,Test control for outputs
67	Activate BLKDWAV	DPHLPDOC1,Test control for outputs
68	Deactive BLKDWAV	DPHLPDOC1,Test control for outputs
69	Activate OPR_UFRQ	DPHLPDOC1,Test control for outputs
70	Deactive OPR_UFRQ	DPHLPDOC1,Test control for outputs
71	Activate OPR_OFRQ	DPHLPDOC1,Test control for outputs
72	Deactive OPR_OFRQ	DPHLPDOC1,Test control for outputs
73	Activate OPR_FRG	DPHLPDOC1,Test control for outputs
74	Deactive OPR_FRG	DPHLPDOC1,Test control for outputs
75	Activate ST_UFRQ	DPHLPDOC1,Test control for outputs
76	Deactive ST_UFRQ	DPHLPDOC1,Test control for outputs
77	Activate ST_OFRQ	DPHLPDOC1,Test control for outputs
78	Deactive ST_OFRQ	DPHLPDOC1,Test control for outputs

79	Activate ST_FRG	DPHLPDOC1,Test control for outputs
80	Deactive ST_FRG	DPHLPDOC1,Test control for outputs
81	Activate ST_REST	DPHLPDOC1,Test control for outputs
82	Deactive ST_REST	DPHLPDOC1,Test control for outputs
83	Activate INT_BLKD	DPHLPDOC1,Test control for outputs
84	Deactive INT_BLKD	DPHLPDOC1,Test control for outputs
85	Activate COOL_ACTIVE	DPHLPDOC1,Test control for outputs
86	Deactive COOL_ACTIVE	DPHLPDOC1,Test control for outputs
87	Activate OPERATE_Z1	DPHLPDOC1,Test control for outputs
88	Deactive OPERATE_Z1	DPHLPDOC1,Test control for outputs
89	Activate OPERATE_Z2	DPHLPDOC1,Test control for outputs
90	Deactive OPERATE_Z2	DPHLPDOC1,Test control for outputs
91	Activate OPERATE_Z3	DPHLPDOC1,Test control for outputs
92	Deactive OPERATE_Z3	DPHLPDOC1,Test control for outputs
93	Activate OPERATE_Z4	DPHLPDOC1,Test control for outputs
94	Deactive OPERATE_Z4	DPHLPDOC1,Test control for outputs
95	Activate OPERATE_Z5	DPHLPDOC1,Test control for outputs
96	Deactive OPERATE_Z5	DPHLPDOC1,Test control for outputs
97	Activate START_Z1	DPHLPDOC1,Test control for outputs
98	Deactive START_Z1	DPHLPDOC1,Test control for outputs
99	Activate START_Z2	DPHLPDOC1,Test control for outputs
100	Deactive START_Z2	DPHLPDOC1,Test control for outputs
101	Activate START_Z3	DPHLPDOC1,Test control for outputs
102	Deactive START_Z3	DPHLPDOC1,Test control for outputs
103	Activate START_Z4	DPHLPDOC1,Test control for outputs
104	Deactive START_Z4	DPHLPDOC1,Test control for outputs
105	Activate START_Z5	DPHLPDOC1,Test control for outputs
106	Deactive START_Z5	DPHLPDOC1,Test control for outputs
107	Activate LODDSR_GFC	DPHLPDOC1,Test control for outputs
108	Deactive LODDSR_GFC	DPHLPDOC1,Test control for outputs
109	Activate START_GFC	DPHLPDOC1,Test control for outputs

110	Deactive START_GFC	DPHLPDOC1,Test control for outputs
111	Activate ST_ALARM	DPHLPDOC1,Test control for outputs
112	Deactive ST_ALARM	DPHLPDOC1,Test control for outputs
113	Activate OPR_OVLOD	DPHLPDOC1,Test control for outputs
114	Deactive OPR_OVLOD	DPHLPDOC1,Test control for outputs
115	Activate ST_OVLOD	DPHLPDOC1,Test control for outputs
116	Deactive ST_OVLOD	DPHLPDOC1,Test control for outputs
117	Activate OPR_UN_I	DPHLPDOC1,Test control for outputs
118	Deactive OPR_UN_I	DPHLPDOC1,Test control for outputs
119	Activate ST_UN_I	DPHLPDOC1,Test control for outputs
120	Deactive ST_UN_I	DPHLPDOC1,Test control for outputs
121	Activate INTR_EF	DPHLPDOC1,Test control for outputs
122	Deactive INTR_EF	DPHLPDOC1,Test control for outputs
123	Activate PEAK_IND	DPHLPDOC1,Test control for outputs
124	Deactive PEAK_IND	DPHLPDOC1,Test control for outputs

7.1.41 5.1.41 ABBIED600_Rev1_AResSigSel

Value	Description	Remarks
1	Measured Io	Io signal Sel,Selection for used Io signal
2	Calculated Io	Io signal Sel,Selection for used Io signal

7.1.42 5.1.42 ABBIED600_Rev1_OpModEF

Value	Description	Remarks
1	Phase angle	Operation mode,Operation criteria
2	IoSin	Operation mode,Operation criteria
3	IoCos	Operation mode,Operation criteria
4	Phase angle 80	Operation mode,Operation criteria
5	Phase angle 88	Operation mode,Operation criteria

7.1.43 5.1.43 ABBIED600_Rev1_VResSigSel

Value	Description	Remarks
1	Measured Uo	Uo signal Sel,Selection for used Uo signal

2	Calculated Uo	Uo signal Sel,Selection for used Uo signal

7.1.44 5.1.44 ABBIED600_Rev2_OpModTEF

Value	Description	Remarks
1	Intermittent EF	Operation mode,Operation criteria
2	Transient EF	Operation mode,Operation criteria
3	General EF	Operation mode,Operation criteria
4	Alarming EF	Operation mode,Operation criteria

7.1.45 5.1.45 ABBIED600_Rev1_OpQtySel

Value	Description	Remarks
1	Adaptive	Operating quantity,Operating quantity selection
2	Amplitude	Operating quantity,Operating quantity selection

7.1.46 5.1.46 ABBIED600_Rev2_VSel

Value	Description	Remarks
1	phase-to-earth	Voltage selection,Parameter to select phase or phase-to-phase voltages
2	phase-to-phase	Voltage selection,Parameter to select phase or phase-to-phase voltages
3	pos sequence	Voltage selection,Parameter to select phase or phase-to-phase voltages

7.1.47 5.1.47 ABBIED600_Rev1_TypTmRs

Value	Description	Remarks
1	Freeze Op timer	Type of time reset,Selection of time reset
2	Decrease Op timer	Type of time reset,Selection of time reset

7.1.48 5.1.48 ABBIED600_Rev1_OpModProHz

Value	Description	Remarks
1	Freq<	Operation mode,Frequency protection operation mode selection
2	Freq>	Operation mode,Frequency protection operation mode selection
3	df/dt	Operation mode,Frequency protection operation mode selection
4	Freq< + df/dt	Operation mode,Frequency protection operation mode selection
5	Freq> + df/dt	Operation mode,Frequency protection operation mode selection
6	Freq< OR df/dt	Operation mode,Frequency protection operation mode selection

7	Freq> OR df/dt	Operation mode,Frequency protection operation mode selection
8	Freq< AND df/dt	Operation mode,Frequency protection operation mode selection
9	Freq> AND df/dt	Operation mode,Frequency protection operation mode selection
10	Freq< OR Freq>	Operation mode,Frequency protection operation mode selection

7.1.49 5.1.49 ABBIED600_Rev1_buTripMode

Value	Description	Remarks
1	2 out of 4	CB failure trip mode,Backup trip current check mode
2	1 out of 3	CB failure trip mode,Backup trip current check mode
3	1 out of 4	CB failure trip mode,Backup trip current check mode

7.1.50 5.1.50 ABBIED600_Rev1_StrLtcMod

Value	Description	Remarks
1	Rising edge	Start latching mode,Start reset delayed or immediately
2	Level sensitive	Start latching mode,Start reset delayed or immediately

7.1.51 5.1.51 ABBIED600_Rev1_TrOutMod

Value	Description	Remarks
1	Non-latched	Trip output mode,Select the operation mode for trip output
2	Latched	Trip output mode,Select the operation mode for trip output
3	Lockout	Trip output mode,Select the operation mode for trip output

7.1.52 5.1.52 ABBIED600_Rev1_OpModComp

Value	Description	Remarks
1	Over	Operation mode,Operation mode
2	Under	Operation mode,Operation mode

7.1.53 5.1.53 ABBIED600_Rev1_AutoManMod

Value	Description	Remarks
1	Disabled	Restore mode,Mode of operation of restore functionality
2	Auto	Restore mode,Mode of operation of restore functionality
3	Manual	Restore mode,Mode of operation of restore functionality

7.1.54 5.1.54 ABBIED600_Rev1_EFAlg

Value	Description	Remarks
1	Load compensation	EF algorithm Sel,Selection for PhE-loop calculation algorithm
2	Load modelling	EF algorithm Sel,Selection for PhE-loop calculation algorithm

7.1.55 5.1.55 ABBIED600_Rev1_EFAlgASel

Value	Description	Remarks
1	Io based	EF algorithm Cur Sel,Selection for earth-fault current model
2	I2 based	EF algorithm Cur Sel,Selection for earth-fault current model

7.1.56 5.1.56 ABBIED600_Rev6_TestProRlKind

Value	Description	Remarks
0	Reset	SCEFRFLO1,Test control for outputs
1	Activate OPERATE	SCEFRFLO1,Test control for outputs
2	Deactive OPERATE	SCEFRFLO1,Test control for outputs
3	Activate CB_FAULT_AL	SCEFRFLO1,Test control for outputs
4	Deactive CB_FAULT_AL	SCEFRFLO1,Test control for outputs
5	Activate TRBU	SCEFRFLO1,Test control for outputs
6	Deactive TRBU	SCEFRFLO1,Test control for outputs
7	Activate TRRET	SCEFRFLO1,Test control for outputs
8	Deactive TRRET	SCEFRFLO1,Test control for outputs
9	Activate BLK2H	SCEFRFLO1,Test control for outputs
10	Deactive BLK2H	SCEFRFLO1,Test control for outputs
11	Activate BLK2H_A	SCEFRFLO1,Test control for outputs
12	Deactive BLK2H_A	SCEFRFLO1,Test control for outputs
13	Activate BLK2H_B	SCEFRFLO1,Test control for outputs
14	Deactive BLK2H_B	SCEFRFLO1,Test control for outputs
15	Activate BLK2H_C	SCEFRFLO1,Test control for outputs
16	Deactive BLK2H_C	SCEFRFLO1,Test control for outputs
17	Activate TRIP	SCEFRFLO1,Test control for outputs
18	Deactive TRIP	SCEFRFLO1,Test control for outputs
19	Activate CL_LKOUT	SCEFRFLO1,Test control for outputs

20	Deactive CL_LKOUT	SCEFRFLO1,Test control for outputs
21	Activate OPR_Z_EXTN	SCEFRFLO1,Test control for outputs
22	Deactive OPR_Z_EXTN	SCEFRFLO1,Test control for outputs
23	Activate OPR_IRV	SCEFRFLO1,Test control for outputs
24	Deactive OPR_IRV	SCEFRFLO1,Test control for outputs
25	Activate OPR_WEI	SCEFRFLO1,Test control for outputs
26	Deactive OPR_WEI	SCEFRFLO1,Test control for outputs
27	Activate ECHO	SCEFRFLO1,Test control for outputs
28	Deactive ECHO	SCEFRFLO1,Test control for outputs
29	Activate CR	SCEFRFLO1,Test control for outputs
30	Deactive CR	SCEFRFLO1,Test control for outputs
31	Activate CS	SCEFRFLO1,Test control for outputs
32	Deactive CS	SCEFRFLO1,Test control for outputs
33	Activate CRL	SCEFRFLO1,Test control for outputs
34	Deactive CRL	SCEFRFLO1,Test control for outputs
35	Activate LCG	SCEFRFLO1,Test control for outputs
36	Deactive LCG	SCEFRFLO1,Test control for outputs
37	Activate OPR_LOSSLOAD	SCEFRFLO1,Test control for outputs
38	Deactive OPR_LOSSLOAD	SCEFRFLO1,Test control for outputs
39	Activate ALARM	SCEFRFLO1,Test control for outputs
40	Deactive ALARM	SCEFRFLO1,Test control for outputs
41	Activate CS_PRM	SCEFRFLO1,Test control for outputs
42	Deactive CS_PRM	SCEFRFLO1,Test control for outputs
43	Act. CS_BLOCKING	SCEFRFLO1,Test control for outputs
44	Deact. CS_BLOCKING	SCEFRFLO1,Test control for outputs
45	Act. CS_INTER_TR	SCEFRFLO1,Test control for outputs
46	Deact. CS_INTER_TR	SCEFRFLO1,Test control for outputs
47	Activate RELEASE	SCEFRFLO1,Test control for outputs
48	Deactive RELEASE	SCEFRFLO1,Test control for outputs
49	Activate SWING_OP	SCEFRFLO1,Test control for outputs
50	Deactive SWING_OP	SCEFRFLO1,Test control for outputs

51	Activate SWING	SCEFRFLO1,Test control for outputs
52	Deactive SWING	SCEFRFLO1,Test control for outputs
53	Activate OSB	SCEFRFLO1,Test control for outputs
54	Deactive OSB	SCEFRFLO1,Test control for outputs
55	Activate OSB_Z2	SCEFRFLO1,Test control for outputs
56	Deactive OSB_Z2	SCEFRFLO1,Test control for outputs

7.1.57 5.1.57 ABBIED600_Rev1_PhVMeas

Value	Description	Remarks
1	Accurate	Phase voltage Meas,Phase voltage measurement principle
2	Ph-to-ph without Uo	Phase voltage Meas,Phase voltage measurement principle

7.1.58 5.1.58 ABBIED600_Rev1_RecOp

Value	Description	Remarks
1	Off	Reclosing operation,Reclosing operation (Off, External Ctl / On)
2	External Ctl	Reclosing operation,Reclosing operation (Off, External Ctl / On)
3	On	Reclosing operation,Reclosing operation (Off, External Ctl / On)

7.1.59 5.1.59 ABBIED600_Rev1_TermPrio

Value	Description	Remarks
1	None	Terminal priority,Terminal priority
2	Low (follower)	Terminal priority,Terminal priority
3	High (master)	Terminal priority,Terminal priority

7.1.60 5.1.60 ABBIED600_Rev1_ProCrdMod

Value	Description	Remarks
1	No condition	Protection crd mode,Protection coordination mode
2	AR inoperative	Protection crd mode,Protection coordination mode
3	CB close manual	Protection crd mode,Protection coordination mode
4	AR inop, CB man	Protection crd mode,Protection coordination mode
5	Always	Protection crd mode,Protection coordination mode

7.1.61 5.1.61 ABBIED600_Rev1_AutoIniCnd

Value	Description	Remarks
1	Not allowed	Auto initiation cnd,Auto initiation condition
2	When sync fails	Auto initiation cnd,Auto initiation condition
3	CB doesn't close	Auto initiation cnd,Auto initiation condition
4	Both	Auto initiation cnd,Auto initiation condition

7.1.62 5.1.62 ABBIED600_Rev1_BusPrio

Value	Description	Remarks
1	Bus 1	Main bus priority,Main bus priority (1 or 2)
2	Bus 2	Main bus priority,Main bus priority (1 or 2)

7.1.63 5.1.63 ABBIED600_Rev3_TestSpvnKind

Value	Description	Remarks
0	Reset	SSCBR1,Test control for outputs
1	Activate START	SSCBR1,Test control for outputs
2	Deactive START	SSCBR1,Test control for outputs
3	Activate OPERATE	SSCBR1,Test control for outputs
4	Deactive OPERATE	SSCBR1,Test control for outputs
5	Activate ALARM	SSCBR1,Test control for outputs
6	Deactive ALARM	SSCBR1,Test control for outputs
7	Activate WARNING	SSCBR1,Test control for outputs
8	Deactive WARNING	SSCBR1,Test control for outputs
9	Act. TRV_T_OP_ALM	SSCBR1,Test control for outputs
10	Deact. TRV_T_OP_ALM	SSCBR1,Test control for outputs
11	Act. TRV_T_CL_ALM	SSCBR1,Test control for outputs
12	Deact. TRV_T_CL_ALM	SSCBR1,Test control for outputs
13	Act. DIFTRVTOPALM	SSCBR1,Test control for outputs
14	Deact. DIFTRVTOPALM	SSCBR1,Test control for outputs
15	Act. DIFTRVTCLALM	SSCBR1,Test control for outputs
16	Deact. DIFTRVTCLALM	SSCBR1,Test control for outputs
17	Activate SPR_CHR_ALM	SSCBR1,Test control for outputs

18	Deactive SPR_CHR_ALM	SSCBR1,Test control for outputs
19	Activate OPR_ALM	SSCBR1,Test control for outputs
20	Deactive OPR_ALM	SSCBR1,Test control for outputs
21	Activate OPR_LO	SSCBR1,Test control for outputs
22	Deactive OPR_LO	SSCBR1,Test control for outputs
23	Activate IPOW_ALM	SSCBR1,Test control for outputs
24	Deactive IPOW_ALM	SSCBR1,Test control for outputs
25	Activate IPOW_LO	SSCBR1,Test control for outputs
26	Deactive IPOW_LO	SSCBR1,Test control for outputs
27	Activate CB_LIFE_ALM	SSCBR1,Test control for outputs
28	Deactive CB_LIFE_ALM	SSCBR1,Test control for outputs
29	Activate MON_ALM	SSCBR1,Test control for outputs
30	Deactive MON_ALM	SSCBR1,Test control for outputs
31	Activate PRES_ALM	SSCBR1,Test control for outputs
32	Deactive PRES_ALM	SSCBR1,Test control for outputs
33	Activate PRES_LO	SSCBR1,Test control for outputs
34	Deactive PRES_LO	SSCBR1,Test control for outputs
35	Activate OPENPOS	SSCBR1,Test control for outputs
36	Deactive OPENPOS	SSCBR1,Test control for outputs
37	Activate INVALIDPOS	SSCBR1,Test control for outputs
38	Deactive INVALIDPOS	SSCBR1,Test control for outputs
39	Activate CLOSEPOS	SSCBR1,Test control for outputs
40	Deactive CLOSEPOS	SSCBR1,Test control for outputs
41	Activate FAIL	SSCBR1,Test control for outputs
42	Deactive FAIL	SSCBR1,Test control for outputs
43	Activate FUSEF_3PH	SSCBR1,Test control for outputs
44	Deactive FUSEF_3PH	SSCBR1,Test control for outputs
45	Activate FUSEF_U	SSCBR1,Test control for outputs
46	Deactive FUSEF_U	SSCBR1,Test control for outputs
47	Activate FAIL_CTGRP1	SSCBR1,Test control for outputs
48	Deactive FAIL_CTGRP1	SSCBR1,Test control for outputs

49	Activate FAIL_CTGRP2	SSCBR1,Test control for outputs
50	Deactive FAIL_CTGRP2	SSCBR1,Test control for outputs
51	Activate FAIL_CTGRP3	SSCBR1,Test control for outputs
52	Deactive FAIL_CTGRP3	SSCBR1,Test control for outputs
53	Activate U_LIVE	SSCBR1,Test control for outputs
54	Deactive U_LIVE	SSCBR1,Test control for outputs
55	Activate U_DEAD	SSCBR1,Test control for outputs
56	Deactive U_DEAD	SSCBR1,Test control for outputs
57	Activate U_A_AB_LIVE	SSCBR1,Test control for outputs
58	Deactive U_A_AB_LIVE	SSCBR1,Test control for outputs
59	Activate U_B_BC_LIVE	SSCBR1,Test control for outputs
60	Deactive U_B_BC_LIVE	SSCBR1,Test control for outputs
61	Activate U_C_CA_LIVE	SSCBR1,Test control for outputs
62	Deactive U_C_CA_LIVE	SSCBR1,Test control for outputs
63	Activate U_A_AB_DEAD	SSCBR1,Test control for outputs
64	Deactive U_A_AB_DEAD	SSCBR1,Test control for outputs
65	Activate U_B_BC_DEAD	SSCBR1,Test control for outputs
66	Deactive U_B_BC_DEAD	SSCBR1,Test control for outputs
67	Activate U_C_CA_DEAD	SSCBR1,Test control for outputs
68	Deactive U_C_CA_DEAD	SSCBR1,Test control for outputs
69	Activate WARNING_AUX	SSCBR1,Test control for outputs
70	Deactive WARNING_AUX	SSCBR1,Test control for outputs
71	Activate WARNING_I	SSCBR1,Test control for outputs
72	Deactive WARNING_I	SSCBR1,Test control for outputs

7.1.64 5.1.64 ABBIED600_Rev1_TrvClcMod

Value	Description	Remarks
1	From Cmd to Pos	Travel time Clc mode,Travel time calculation mode selection
2	From Pos to Pos	Travel time Clc mode,Travel time calculation mode selection

7.1.65 5.1.65 ABBIED600_Rev1_DirMod2

Value	Description	Remarks

1	Forward	Active power Dir,Direction of active power flow: Forward, Reverse
2	Reverse	Active power Dir,Direction of active power flow: Forward, Reverse

7.1.66 5.1.66 ABBIED600_Rev1_PwrMeasMod

Value	Description	Remarks
1	PhsA, PhsB, PhsC	Measurement mode,Selected measurement mode for power calculation
2	Arone	Measurement mode,Selected measurement mode for power calculation
3	Pos Seq	Measurement mode,Selected measurement mode for power calculation
4	PhsAB	Measurement mode,Selected measurement mode for power calculation
5	PhsBC	Measurement mode,Selected measurement mode for power calculation
6	PhsCA	Measurement mode,Selected measurement mode for power calculation
7	PhsA	Measurement mode,Selected measurement mode for power calculation
8	PhsB	Measurement mode,Selected measurement mode for power calculation
9	PhsC	Measurement mode,Selected measurement mode for power calculation

7.1.67 5.1.67 ABBIED600_Rev1_TestOthKind

Value	Description	Remarks
0	Reset	DTMGAPC1,Test control for outputs
1	Activate START	DTMGAPC1,Test control for outputs
2	Deactive START	DTMGAPC1,Test control for outputs
3	Activate OPERATE	DTMGAPC1,Test control for outputs
4	Deactive OPERATE	DTMGAPC1,Test control for outputs
5	Activate SWELLST	DTMGAPC1,Test control for outputs
6	Deactive SWELLST	DTMGAPC1,Test control for outputs
7	Activate DIPST	DTMGAPC1,Test control for outputs
8	Deactive DIPST	DTMGAPC1,Test control for outputs
9	Activate INTST	DTMGAPC1,Test control for outputs
10	Deactive INTST	DTMGAPC1,Test control for outputs
11	Activate MN_UNB_AL	DTMGAPC1,Test control for outputs
12	Deactive MN_UNB_AL	DTMGAPC1,Test control for outputs
13	Activate PCT_UNB_AL	DTMGAPC1,Test control for outputs
14	Deactive PCT_UNB_AL	DTMGAPC1,Test control for outputs

15	Activate OBS_PR_ACT	DTMGAPC1,Test control for outputs
16	Deactive OBS_PR_ACT	DTMGAPC1,Test control for outputs

7.1.68 5.1.68 ABBIED600_Rev1_OpModPh

Value	Description	Remarks
1	Three Phase	Operation mode,Number of phases needed to start
2	Single Phase	Operation mode,Number of phases needed to start

7.1.69 5.1.69 ABBIED600_Rev1_DmdWinMod

Value	Description	Remarks
1	Sliding	Demand window,Demand calculation window type
2	Non-sliding	Demand window,Demand calculation window type

7.1.70 5.1.70 ABBIED600_Rev2_PhSv

Value	Description	Remarks
1	Ph A	Phase supervision,Monitored voltage phase
2	Ph B	Phase supervision,Monitored voltage phase
3	Ph A + B	Phase supervision,Monitored voltage phase
4	Ph C	Phase supervision,Monitored voltage phase
5	Ph A + C	Phase supervision,Monitored voltage phase
6	Ph B + C	Phase supervision,Monitored voltage phase
7	Ph A + B + C	Phase supervision,Monitored voltage phase
8	Pos sequence	Phase supervision,Monitored voltage phase

7.1.71 5.1.71 ABBIED600_Rev2_VVaTyp

Value	Description	Remarks
0	No variation	Variation enable,Enable variation type
1	Swell	Variation enable,Enable variation type
2	Dip	Variation enable,Enable variation type
3	Swell + dip	Variation enable,Enable variation type
4	Interruption	Variation enable,Enable variation type
5	Swell + Int	Variation enable,Enable variation type
6	Dip + Int	Variation enable,Enable variation type

7	Swell+dip+Int	Variation enable,Enable variation type

7.1.72 5.1.72 ABBIED600_Rev1_TrgModPQ

Value	Description	Remarks
1	Single	Trigger mode,Specifies the observation period triggering mode
2	Periodic	Trigger mode,Specifies the observation period triggering mode
3	Continuous	Trigger mode,Specifies the observation period triggering mode

7.1.73 5.1.73 ABBIED600_Rev1_ObsPerSel

Value	Description	Remarks
1	1 Hour	Obs period selection,Observation period for unbalance calculation
2	12 Hours	Obs period selection,Observation period for unbalance calculation
3	1 Day	Obs period selection,Observation period for unbalance calculation
4	7 Days	Obs period selection,Observation period for unbalance calculation
5	User defined	Obs period selection,Observation period for unbalance calculation

7.1.74 5.1.74 ABBIED600_Rev1_ARtgSec

Value	Description	Remarks
1	0.2A	Secondary current,Rated secondary current
2	1A	Secondary current,Rated secondary current
3	5A	Secondary current,Rated secondary current

7.1.75 5.1.75 ABBIED600_Rev2_ConnType

Value	Description	Remarks
1	Wye	VT connection,Voltage transducer measurement connection
2	Delta	VT connection,Voltage transducer measurement connection
3	U12	VT connection,Voltage transducer measurement connection
4	UL1	VT connection,Voltage transducer measurement connection

7.1.76 5.1.76 ABBIED600_Rev1_AnInpType

Value	Description	Remarks
1	Voltage trafo	Voltage input type,Type of the voltage input
2	Current trafo	Voltage input type,Type of the voltage input

3	CVD sensor	Voltage input type,Type of the voltage input
4	Rogowski sensor	Voltage input type,Type of the voltage input

7.1.77 5.1.77 ABBIED600_Rev1_SenInMod

Value	Description	Remarks
1	Not in use	Input mode,Analogue input mode
2	Resistance	Input mode,Analogue input mode
5	0..20mA	Input mode,Analogue input mode
10	Pt100	Input mode,Analogue input mode
11	Pt250	Input mode,Analogue input mode
20	Ni100	Input mode,Analogue input mode
21	Ni120	Input mode,Analogue input mode
22	Ni250	Input mode,Analogue input mode
30	Cu10	Input mode,Analogue input mode

7.1.78 5.1.78 ABBIED600_Rev1_FibMod

Value	Description	Remarks
0	No fiber	Fiber mode,Fiber mode
2	Fiber optic	Fiber mode,Fiber mode

7.1.79 5.1.79 ABBIED600_Rev1_SerMod

Value	Description	Remarks
1	RS485 2Wire	Serial mode,Serial mode
2	RS485 4Wire	Serial mode,Serial mode
3	RS232 no handshake	Serial mode,Serial mode
4	RS232 with handshake	Serial mode,Serial mode

7.1.80 5.1.80 ABBIED600_Rev1_BaudRate

Value	Description	Remarks
1	300	Baudrate,Baudrate
2	600	Baudrate,Baudrate
3	1200	Baudrate,Baudrate
4	2400	Baudrate,Baudrate

5	4800	Baudrate,Baudrate
6	9600	Baudrate,Baudrate
7	19200	Baudrate,Baudrate
8	38400	Baudrate,Baudrate
9	57600	Baudrate,Baudrate
10	115200	Baudrate,Baudrate

7.1.81 5.1.81 ABBIED600_Rev2_EthPortMod

Value	Description	Remarks
0	Off	Port 1 mode,Ethernet port mode
1	On	Port 1 mode,Ethernet port mode

7.1.82 5.1.82 ABBIED600_Rev3_CmdRsp

Value	Description	Remarks
0	No commands	Command response,Latest command response
1	Select open	Command response,Latest command response
2	Select close	Command response,Latest command response
3	Operate open	Command response,Latest command response
4	Operate close	Command response,Latest command response
5	Direct open	Command response,Latest command response
6	Direct close	Command response,Latest command response
7	Cancel	Command response,Latest command response
8	Position reached	Command response,Latest command response
9	Position timeout	Command response,Latest command response
10	Object status only	Command response,Latest command response
11	Object direct	Command response,Latest command response
12	Object select	Command response,Latest command response
13	RL local allowed	Command response,Latest command response
14	RL remote allowed	Command response,Latest command response
15	RL off	Command response,Latest command response
16	Function off	Command response,Latest command response
17	Function blocked	Command response,Latest command response

18	Command progress	Command response,Latest command response
19	Select timeout	Command response,Latest command response
20	Missing authority	Command response,Latest command response
21	Close not enabled	Command response,Latest command response
22	Open not enabled	Command response,Latest command response
23	Internal fault	Command response,Latest command response
24	Already close	Command response,Latest command response
25	Wrong client	Command response,Latest command response
26	RL station allowed	Command response,Latest command response
27	RL change	Command response,Latest command response
28	Abortion by trip	Command response,Latest command response

7.1.83 5.1.83 ABBIED600_Rev3_LocKeyHMI

Value	Description	Remarks
0	Off	LR state,LR state monitoring
1	Local	LR state,LR state monitoring
2	Remote	LR state,LR state monitoring
3	Station	LR state,LR state monitoring
4	L+R	LR state,LR state monitoring
5	L+S	LR state,LR state monitoring
6	L+S+R	LR state,LR state monitoring
7	S+R	LR state,LR state monitoring

7.1.84 5.1.84 ABBIED600_Rev1_LocRemMod

Value	Description	Remarks
1	LR key	LR control,LR control through LR key or binary input
2	Binary input	LR control,LR control through LR key or binary input

7.1.85 5.1.85 ABBIED600_Rev1_StaLevSet

Value	Description	Remarks
1	L,R	Station authority,Control command originator category usage
2	L,S,R	Station authority,Control command originator category usage

3	L,R,L+R	Station authority,Control command originator category usage
4	L,S,S+R,L+S,L+S+R	Station authority,Control command originator category usage

7.1.86 5.1.86 ABBIED600_Rev1_EStoRte

Value	Description	Remarks
8	8 samples / cycle	Storage rate,Storage rate for waveform recordings in samples per cycle
16	16 samples / cycle	Storage rate,Storage rate for waveform recordings in samples per cycle
32	32 samples / cycle	Storage rate,Storage rate for waveform recordings in samples per cycle

7.1.87 5.1.87 ABBIED600_Rev1_EStoMod

Value	Description	Remarks
0	Waveform	Stor. mode periodic,Storage mode selection (waveform / trend) for periodic trigger
1	Trend / cycle	Stor. mode periodic,Storage mode selection (waveform / trend) for periodic trigger

7.1.88 5.1.88 ABBIED600_Rev4_RadrChNum

Value	Description	Remarks
0	Disabled	Channel selection,Select a signal, which will be recorded by this channel
1	Io	Channel selection,Select a signal, which will be recorded by this channel
2	IL1	Channel selection,Select a signal, which will be recorded by this channel
3	IL2	Channel selection,Select a signal, which will be recorded by this channel
4	IL3	Channel selection,Select a signal, which will be recorded by this channel
5	IoB	Channel selection,Select a signal, which will be recorded by this channel
6	IL1B	Channel selection,Select a signal, which will be recorded by this channel
7	IL2B	Channel selection,Select a signal, which will be recorded by this channel
8	IL3B	Channel selection,Select a signal, which will be recorded by this channel
9	Uo	Channel selection,Select a signal, which will be recorded by this channel
10	U1	Channel selection,Select a signal, which will be recorded by this channel
11	U2	Channel selection,Select a signal, which will be recorded by this channel
12	U3	Channel selection,Select a signal, which will be recorded by this channel
13	UoB	Channel selection,Select a signal, which will be recorded by this channel
14	U1B	Channel selection,Select a signal, which will be recorded by this channel
15	U2B	Channel selection,Select a signal, which will be recorded by this channel

16	U3B	Channel selection,Select a signal, which will be recorded by this channel
17	CIo	Channel selection,Select a signal, which will be recorded by this channel
18	SI1	Channel selection,Select a signal, which will be recorded by this channel
19	SI2	Channel selection,Select a signal, which will be recorded by this channel
20	SU0	Channel selection,Select a signal, which will be recorded by this channel
21	SU1	Channel selection,Select a signal, which will be recorded by this channel
22	SU2	Channel selection,Select a signal, which will be recorded by this channel
23	CIoB	Channel selection,Select a signal, which will be recorded by this channel
24	SI1B	Channel selection,Select a signal, which will be recorded by this channel
25	SI2B	Channel selection,Select a signal, which will be recorded by this channel
26	SU0B	Channel selection,Select a signal, which will be recorded by this channel
27	SU1B	Channel selection,Select a signal, which will be recorded by this channel
28	SU2B	Channel selection,Select a signal, which will be recorded by this channel
29	U12	Channel selection,Select a signal, which will be recorded by this channel
30	U23	Channel selection,Select a signal, which will be recorded by this channel
31	U31	Channel selection,Select a signal, which will be recorded by this channel
32	UL1	Channel selection,Select a signal, which will be recorded by this channel
33	UL2	Channel selection,Select a signal, which will be recorded by this channel
34	UL3	Channel selection,Select a signal, which will be recorded by this channel
35	U12B	Channel selection,Select a signal, which will be recorded by this channel
36	U23B	Channel selection,Select a signal, which will be recorded by this channel
37	U31B	Channel selection,Select a signal, which will be recorded by this channel
38	UL1B	Channel selection,Select a signal, which will be recorded by this channel
39	UL2B	Channel selection,Select a signal, which will be recorded by this channel
40	UL3B	Channel selection,Select a signal, which will be recorded by this channel
41	U1T	Channel selection,Select a signal, which will be recorded by this channel
42	U2T	Channel selection,Select a signal, which will be recorded by this channel
43	U3T	Channel selection,Select a signal, which will be recorded by this channel
44	PD	Channel selection,Select a signal, which will be recorded by this channel
45	IoC	Channel selection,Select a signal, which will be recorded by this channel
46	IL1C	Channel selection,Select a signal, which will be recorded by this channel

47	IL2C	Channel selection,Select a signal, which will be recorded by this channel
48	IL3C	Channel selection,Select a signal, which will be recorded by this channel
49	CIoC	Channel selection,Select a signal, which will be recorded by this channel
50	SI1C	Channel selection,Select a signal, which will be recorded by this channel
51	SI2C	Channel selection,Select a signal, which will be recorded by this channel
52	U1C	Channel selection,Select a signal, which will be recorded by this channel
53	U1D	Channel selection,Select a signal, which will be recorded by this channel

7.2 5.2 Extented Enum types

7.2.1 5.2.1 ABBIED600_Rev1_HealthKind

Value	Description	Remarks
-2	Waiting	
-1	Test	
1	Ok	
2	Warning	
3	Alarm	

7.2.2 5.2.2 ABBIED600_Rev1_LiveDeadModeKind

Value	Description	Remarks
-1	Off	Live dead mode,Energizing check mode
1	Dead Line, Dead Bus	Live dead mode,Energizing check mode,Both Dead
2	Live Line, Dead Bus	Live dead mode,Energizing check mode,Live L, Dead B
3	Dead Line, Live Bus	Live dead mode,Energizing check mode,Dead L, Live B
4	Dead Line, Dead Bus OR Live Line, Dead Bus	Live dead mode,Energizing check mode,Dead Bus, L Any
5	Dead Line, Dead Bus OR Dead Line, Live Bus	Live dead mode,Energizing check mode,Dead L, Bus Any
6	Live Line, Dead Bus OR Dead Line, Live Bus	Live dead mode,Energizing check mode,One Live, Dead
7	Dead Line, Dead Bus OR Live Line, Dead Bus OR	Live dead mode,Energizing check mode,Not

	Dead Line, Live Bus	Both Live

7.2.3 5.2.3 ABBIED600_Rev1_PhaseFaultDirectionKind

Value	Description	Remarks
-1	both	
0	unknown	
1	forward	
2	backward	

7.2.4 5.2.4 ABBIED600_Rev20_TstOutKind

Value	Description	Remarks
0	Reset	PHIPTOC1,Test control for outputs
1	Activate START	PHIPTOC1,Test control for outputs
2	Deactive START	PHIPTOC1,Test control for outputs
3	Activate ST_A	PHIPTOC1,Test control for outputs
4	Deactive ST_A	PHIPTOC1,Test control for outputs
5	Activate ST_B	PHIPTOC1,Test control for outputs
6	Deactive ST_B	PHIPTOC1,Test control for outputs
7	Activate ST_C	PHIPTOC1,Test control for outputs
8	Deactive ST_C	PHIPTOC1,Test control for outputs
9	Activate OPERATE	PHIPTOC1,Test control for outputs
10	Deactive OPERATE	PHIPTOC1,Test control for outputs
11	Activate OPR_A	PHIPTOC1,Test control for outputs
12	Deactive OPR_A	PHIPTOC1,Test control for outputs
13	Activate OPR_B	PHIPTOC1,Test control for outputs
14	Deactive OPR_B	PHIPTOC1,Test control for outputs
15	Activate OPR_C	PHIPTOC1,Test control for outputs
16	Deactive OPR_C	PHIPTOC1,Test control for outputs
17	Activate ALARM	PHIPTOC1,Test control for outputs
18	Deactive ALARM	PHIPTOC1,Test control for outputs
19	Activate WARNING	PHIPTOC1,Test control for outputs
20	Deactive WARNING	PHIPTOC1,Test control for outputs

21	Activate BLK_CLOSE	PHIPTOC1,Test control for outputs
22	Deactive BLK_CLOSE	PHIPTOC1,Test control for outputs
23	reserved1	PHIPTOC1,Test control for outputs
24	reserved2	PHIPTOC1,Test control for outputs
25	Activate CB_FAULT_AL	PHIPTOC1,Test control for outputs
26	Deactive CB_FAULT_AL	PHIPTOC1,Test control for outputs
27	Activate TRBU	PHIPTOC1,Test control for outputs
28	Deactive TRBU	PHIPTOC1,Test control for outputs
29	Activate TRRET	PHIPTOC1,Test control for outputs
30	Deactive TRRET	PHIPTOC1,Test control for outputs
31	Activate BLK_EF	PHIPTOC1,Test control for outputs
32	Deactive BLK_EF	PHIPTOC1,Test control for outputs
33	Activate ARC_FLT_DET	PHIPTOC1,Test control for outputs
34	Deactive ARC_FLT_DET	PHIPTOC1,Test control for outputs
35	Activate BLK2H	PHIPTOC1,Test control for outputs
36	Deactive BLK2H	PHIPTOC1,Test control for outputs
37	Activate BLK2H_A	PHIPTOC1,Test control for outputs
38	Deactive BLK2H_A	PHIPTOC1,Test control for outputs
39	Activate BLK2H_B	PHIPTOC1,Test control for outputs
40	Deactive BLK2H_B	PHIPTOC1,Test control for outputs
41	Activate BLK2H_C	PHIPTOC1,Test control for outputs
42	Deactive BLK2H_C	PHIPTOC1,Test control for outputs
43	Activate TRIP	PHIPTOC1,Test control for outputs
44	Deactive TRIP	PHIPTOC1,Test control for outputs
45	Activate CL_LKOUT	PHIPTOC1,Test control for outputs
46	Deactive CL_LKOUT	PHIPTOC1,Test control for outputs
47	Activate OPEN_CB	PHIPTOC1,Test control for outputs
48	Deactive OPEN_CB	PHIPTOC1,Test control for outputs
49	Activate CLOSE_CB	PHIPTOC1,Test control for outputs
50	Deactive CLOSE_CB	PHIPTOC1,Test control for outputs
51	Activate CMD_WAIT	PHIPTOC1,Test control for outputs

52	Deactive CMD_WAIT	PHIPTOC1,Test control for outputs
53	Activate PROT_CRD	PHIPTOC1,Test control for outputs
54	Deactive PROT_CRD	PHIPTOC1,Test control for outputs
55	Activate INPRO	PHIPTOC1,Test control for outputs
56	Deactive INPRO	PHIPTOC1,Test control for outputs
57	Activate LOCKED	PHIPTOC1,Test control for outputs
58	Deactive LOCKED	PHIPTOC1,Test control for outputs
59	Activate UNSUC_RECL	PHIPTOC1,Test control for outputs
60	Deactive UNSUC_RECL	PHIPTOC1,Test control for outputs
61	Activate AR_ON	PHIPTOC1,Test control for outputs
62	Deactive AR_ON	PHIPTOC1,Test control for outputs
63	Act. TRV_T_OP_ALM	PHIPTOC1,Test control for outputs
64	Deact. TRV_T_OP_ALM	PHIPTOC1,Test control for outputs
65	Act. TRV_T_CL_ALM	PHIPTOC1,Test control for outputs
66	Deact. TRV_T_CL_ALM	PHIPTOC1,Test control for outputs
67	Act. DIFTRVTOPALM	PHIPTOC1,Test control for outputs
68	Deact. DIFTRVTOPALM	PHIPTOC1,Test control for outputs
69	Act. DIFTRVTCLALM	PHIPTOC1,Test control for outputs
70	Deact. DIFTRVTCLALM	PHIPTOC1,Test control for outputs
71	Activate SPR_CHR_ALM	PHIPTOC1,Test control for outputs
72	Deactive SPR_CHR_ALM	PHIPTOC1,Test control for outputs
73	Activate OPR_ALM	PHIPTOC1,Test control for outputs
74	Deactive OPR_ALM	PHIPTOC1,Test control for outputs
75	Activate OPR_LO	PHIPTOC1,Test control for outputs
76	Deactive OPR_LO	PHIPTOC1,Test control for outputs
77	Activate IPOW_ALM	PHIPTOC1,Test control for outputs
78	Deactive IPOW_ALM	PHIPTOC1,Test control for outputs
79	Activate IPOW_LO	PHIPTOC1,Test control for outputs
80	Deactive IPOW_LO	PHIPTOC1,Test control for outputs
81	Activate CB_LIFE_ALM	PHIPTOC1,Test control for outputs
82	Deactive CB_LIFE_ALM	PHIPTOC1,Test control for outputs

83	Activate MON_ALM	PHIPTOC1,Test control for outputs
84	Deactive MON_ALM	PHIPTOC1,Test control for outputs
85	Activate PRES_ALM	PHIPTOC1,Test control for outputs
86	Deactive PRES_ALM	PHIPTOC1,Test control for outputs
87	Activate PRES_LO	PHIPTOC1,Test control for outputs
88	Deactive PRES_LO	PHIPTOC1,Test control for outputs
89	Activate OPENPOS	PHIPTOC1,Test control for outputs
90	Deactive OPENPOS	PHIPTOC1,Test control for outputs
91	Activate INVALIDPOS	PHIPTOC1,Test control for outputs
92	Deactive INVALIDPOS	PHIPTOC1,Test control for outputs
93	Activate CLOSEPOS	PHIPTOC1,Test control for outputs
94	Deactive CLOSEPOS	PHIPTOC1,Test control for outputs
95	Activate STR_LS_LOC	PHIPTOC1,Test control for outputs
96	Deactive STR_LS_LOC	PHIPTOC1,Test control for outputs
97	Activate STR_LS_REM	PHIPTOC1,Test control for outputs
98	Deactive STR_LS_REM	PHIPTOC1,Test control for outputs
99	Activate OPR_LS_LOC	PHIPTOC1,Test control for outputs
100	Deactive OPR_LS_LOC	PHIPTOC1,Test control for outputs
101	Activate OPR_LS_REM	PHIPTOC1,Test control for outputs
102	Deactive OPR_LS_REM	PHIPTOC1,Test control for outputs
103	Activate OPR_HS_LOC	PHIPTOC1,Test control for outputs
104	Deactive OPR_HS_LOC	PHIPTOC1,Test control for outputs
105	Activate OPR_HS_REM	PHIPTOC1,Test control for outputs
106	Deactive OPR_HS_REM	PHIPTOC1,Test control for outputs
107	Activate RSTD2H_LOC	PHIPTOC1,Test control for outputs
108	Deactive RSTD2H_LOC	PHIPTOC1,Test control for outputs
109	Activate RSTD2H_REM	PHIPTOC1,Test control for outputs
110	Deactive RSTD2H_REM	PHIPTOC1,Test control for outputs
111	Activate PROT_ACTIVE	PHIPTOC1,Test control for outputs
112	Deactive PROT_ACTIVE	PHIPTOC1,Test control for outputs
113	Activate FAIL	PHIPTOC1,Test control for outputs

114	Deactive FAIL	PHIPTOC1,Test control for outputs
115	Activate RESTORE	PHIPTOC1,Test control for outputs
116	Deactive RESTORE	PHIPTOC1,Test control for outputs
117	Activate FUSEF_3PH	PHIPTOC1,Test control for outputs
118	Deactive FUSEF_3PH	PHIPTOC1,Test control for outputs
119	Activate FUSEF_U	PHIPTOC1,Test control for outputs
120	Deactive FUSEF_U	PHIPTOC1,Test control for outputs
121	Activate READY	PHIPTOC1,Test control for outputs
122	Deactive READY	PHIPTOC1,Test control for outputs
123	Activate RELEASE	PHIPTOC1,Test control for outputs
124	Deactive RELEASE	PHIPTOC1,Test control for outputs
125	Activate OPR_Z_EXTN	PHIPTOC1,Test control for outputs
126	Deactive OPR_Z_EXTN	PHIPTOC1,Test control for outputs
-1	Activate OPR_IIT	PHIPTOC1,Test control for outputs
-2	Deactive OPR_IIT	PHIPTOC1,Test control for outputs
-3	Activate OPR_STALL	PHIPTOC1,Test control for outputs
-4	Deactive OPR_STALL	PHIPTOC1,Test control for outputs
-5	Activate MOT_START	PHIPTOC1,Test control for outputs
-6	Deactive MOT_START	PHIPTOC1,Test control for outputs
-7	Activate LOCK_START	PHIPTOC1,Test control for outputs
-8	Deactive LOCK_START	PHIPTOC1,Test control for outputs
-9	Activate BLK_RESTART	PHIPTOC1,Test control for outputs
-10	Deactive BLK_RESTART	PHIPTOC1,Test control for outputs
-11	Activate OPR_LS	PHIPTOC1,Test control for outputs
-12	Deactive OPR_LS	PHIPTOC1,Test control for outputs
-13	Activate OPR_HS	PHIPTOC1,Test control for outputs
-14	Deactive OPR_HS	PHIPTOC1,Test control for outputs
-15	Activate BLKD2H	PHIPTOC1,Test control for outputs
-16	Deactive BLKD2H	PHIPTOC1,Test control for outputs
-17	Activate BLKD5H	PHIPTOC1,Test control for outputs
-18	Deactive BLKD5H	PHIPTOC1,Test control for outputs

-19	Activate BLKDWAV	PHIPTOC1,Test control for outputs
-20	Deactive BLKDWAV	PHIPTOC1,Test control for outputs
-21	Activate OPR_UFRQ	PHIPTOC1,Test control for outputs
-22	Deactive OPR_UFRQ	PHIPTOC1,Test control for outputs
-23	Activate OPR_OFRQ	PHIPTOC1,Test control for outputs
-24	Deactive OPR_OFRQ	PHIPTOC1,Test control for outputs
-25	Activate OPR_FRG	PHIPTOC1,Test control for outputs
-26	Deactive OPR_FRG	PHIPTOC1,Test control for outputs
-27	Activate ST_UFRQ	PHIPTOC1,Test control for outputs
-28	Deactive ST_UFRQ	PHIPTOC1,Test control for outputs
-29	Activate ST_OFRQ	PHIPTOC1,Test control for outputs
-30	Deactive ST_OFRQ	PHIPTOC1,Test control for outputs
-31	Activate ST_FRG	PHIPTOC1,Test control for outputs
-32	Deactive ST_FRG	PHIPTOC1,Test control for outputs
-33	Activate RAISE	PHIPTOC1,Test control for outputs
-34	Deactive RAISE	PHIPTOC1,Test control for outputs
-35	Activate LOWER	PHIPTOC1,Test control for outputs
-36	Deactive LOWER	PHIPTOC1,Test control for outputs
-37	Activate PAR_FAIL	PHIPTOC1,Test control for outputs
-38	Deactive PAR_FAIL	PHIPTOC1,Test control for outputs
-39	Activate SYNC_INPRO	PHIPTOC1,Test control for outputs
-40	Deactive SYNC_INPRO	PHIPTOC1,Test control for outputs
-41	Activate SYNC_OK	PHIPTOC1,Test control for outputs
-42	Deactive SYNC_OK	PHIPTOC1,Test control for outputs
-43	Activate CL_FAIL_AL	PHIPTOC1,Test control for outputs
-44	Deactive CL_FAIL_AL	PHIPTOC1,Test control for outputs
-45	Activate CMD_FAIL_AL	PHIPTOC1,Test control for outputs
-46	Deactive CMD_FAIL_AL	PHIPTOC1,Test control for outputs
-47	Activate LLDB	PHIPTOC1,Test control for outputs
-48	Deactive LLDB	PHIPTOC1,Test control for outputs
-49	Activate LLLB	PHIPTOC1,Test control for outputs

-50	Deactive LLLB	PHIPTOC1,Test control for outputs
-51	Activate DLLB	PHIPTOC1,Test control for outputs
-52	Deactive DLLB	PHIPTOC1,Test control for outputs
-53	Activate DLDB	PHIPTOC1,Test control for outputs
-54	Deactive DLDB	PHIPTOC1,Test control for outputs
-55	Activate ST_REST	PHIPTOC1,Test control for outputs
-56	Deactive ST_REST	PHIPTOC1,Test control for outputs
-57	Activate INT_BLKD	PHIPTOC1,Test control for outputs
-58	Deactive INT_BLKD	PHIPTOC1,Test control for outputs
-59	Activate SWELLST	PHIPTOC1,Test control for outputs
-60	Deactive SWELLST	PHIPTOC1,Test control for outputs
-61	Activate DIPST	PHIPTOC1,Test control for outputs
-62	Deactive DIPST	PHIPTOC1,Test control for outputs
-63	Activate INTST	PHIPTOC1,Test control for outputs
-64	Deactive INTST	PHIPTOC1,Test control for outputs
-65	Activate COOL_ACTIVE	PHIPTOC1,Test control for outputs
-66	Deactive COOL_ACTIVE	PHIPTOC1,Test control for outputs
-67	Activate MN_UNB_AL	PHIPTOC1,Test control for outputs
-68	Deactive MN_UNB_AL	PHIPTOC1,Test control for outputs
-69	Activate PCT_UNB_AL	PHIPTOC1,Test control for outputs
-70	Deactive PCT_UNB_AL	PHIPTOC1,Test control for outputs
-71	Activate FAIL_CTGRP1	PHIPTOC1,Test control for outputs
-72	Deactive FAIL_CTGRP1	PHIPTOC1,Test control for outputs
-73	Activate FAIL_CTGRP2	PHIPTOC1,Test control for outputs
-74	Deactive FAIL_CTGRP2	PHIPTOC1,Test control for outputs
-75	Activate FAIL_CTGRP3	PHIPTOC1,Test control for outputs
-76	Deactive FAIL_CTGRP3	PHIPTOC1,Test control for outputs
-77	Activate OBS_PR_ACT	PHIPTOC1,Test control for outputs
-78	Deactive OBS_PR_ACT	PHIPTOC1,Test control for outputs
-79	Activate OPERATE_Z1	PHIPTOC1,Test control for outputs
-80	Deactive OPERATE_Z1	PHIPTOC1,Test control for outputs

-81	Activate OPERATE_Z2	PHIPTOC1,Test control for outputs
-82	Deactive OPERATE_Z2	PHIPTOC1,Test control for outputs
-83	Activate OPERATE_Z3	PHIPTOC1,Test control for outputs
-84	Deactive OPERATE_Z3	PHIPTOC1,Test control for outputs
-85	Activate OPERATE_Z4	PHIPTOC1,Test control for outputs
-86	Deactive OPERATE_Z4	PHIPTOC1,Test control for outputs
-87	Activate OPERATE_Z5	PHIPTOC1,Test control for outputs
-88	Deactive OPERATE_Z5	PHIPTOC1,Test control for outputs
-89	Activate START_Z1	PHIPTOC1,Test control for outputs
-90	Deactive START_Z1	PHIPTOC1,Test control for outputs
-91	Activate START_Z2	PHIPTOC1,Test control for outputs
-92	Deactive START_Z2	PHIPTOC1,Test control for outputs
-93	Activate START_Z3	PHIPTOC1,Test control for outputs
-94	Deactive START_Z3	PHIPTOC1,Test control for outputs
-95	Activate START_Z4	PHIPTOC1,Test control for outputs
-96	Deactive START_Z4	PHIPTOC1,Test control for outputs
-97	Activate START_Z5	PHIPTOC1,Test control for outputs
-98	Deactive START_Z5	PHIPTOC1,Test control for outputs
-99	Activate LODDSR_GFC	PHIPTOC1,Test control for outputs
-100	Deactive LODDSR_GFC	PHIPTOC1,Test control for outputs
-101	Activate START_GFC	PHIPTOC1,Test control for outputs
-102	Deactive START_GFC	PHIPTOC1,Test control for outputs
-103	Activate ST_ALARM	PHIPTOC1,Test control for outputs
-104	Deactive ST_ALARM	PHIPTOC1,Test control for outputs
-105	Activate OPR_IRV	PHIPTOC1,Test control for outputs
-106	Deactive OPR_IRV	PHIPTOC1,Test control for outputs
-107	Activate OPR_WEI	PHIPTOC1,Test control for outputs
-108	Deactive OPR_WEI	PHIPTOC1,Test control for outputs
-109	Activate ECHO	PHIPTOC1,Test control for outputs
-110	Deactive ECHO	PHIPTOC1,Test control for outputs
-111	Activate CR	PHIPTOC1,Test control for outputs

-112	Deactive CR	PHIPTOC1,Test control for outputs
-113	Activate CS	PHIPTOC1,Test control for outputs
-114	Deactive CS	PHIPTOC1,Test control for outputs
-115	Activate CRL	PHIPTOC1,Test control for outputs
-116	Deactive CRL	PHIPTOC1,Test control for outputs
-117	Activate LCG	PHIPTOC1,Test control for outputs
-118	Deactive LCG	PHIPTOC1,Test control for outputs
-119	Activate OPR_OVLOD	PHIPTOC1,Test control for outputs
-120	Deactive OPR_OVLOD	PHIPTOC1,Test control for outputs
-121	Activate ST_OVLOD	PHIPTOC1,Test control for outputs
-122	Deactive ST_OVLOD	PHIPTOC1,Test control for outputs
-123	Activate OPR_UN_I	PHIPTOC1,Test control for outputs
-124	Deactive OPR_UN_I	PHIPTOC1,Test control for outputs
-125	Activate ST_UN_I	PHIPTOC1,Test control for outputs
-126	Deactive ST_UN_I	PHIPTOC1,Test control for outputs

7.2.5 5.2.5 ABBIED600_Rev1_CurveCharKind

Value	Description	Remarks
1	ANSI Extremely Inverse	Operating curve type,Selection of time delay curve type,ANSI Ext. inv.
2	ANSI Very Inverse	Operating curve type,Selection of time delay curve type,ANSI Very inv.
3	ANSI Normal Inverse	Operating curve type,Selection of time delay curve type,ANSI Norm. inv.
4	ANSI Moderate Inverse	Operating curve type,Selection of time delay curve type,ANSI Mod. inv.
5	ANSI Definite Time	Operating curve type,Selection of time delay curve type,ANSI Def. Time
6	Long-Time Extremely Inverse	Operating curve type,Selection of time delay curve type,L.T.E. inv.
7	Long-Time Very Inverse	Operating curve type,Selection of time delay curve type,L.T.V. inv.
8	Long-Time Inverse	Operating curve type,Selection of time delay curve type,L.T. inv.
9	IEC Normal Inverse	Operating curve type,Selection of time delay curve type,IEC Norm.

		inv.
10	IEC Very Inverse	Operating curve type,Selection of time delay curve type,IEC Very inv.
11	IEC Inverse	Operating curve type,Selection of time delay curve type,IEC inv.
12	IEC Extremely Inverse	Operating curve type,Selection of time delay curve type,IEC Ext. inv.
13	IEC Short-Time Inverse	Operating curve type,Selection of time delay curve type,IEC S.T. inv.
14	IEC Long-Time Inverse	Operating curve type,Selection of time delay curve type,IEC L.T. inv.
15	IEC Definite Time	Operating curve type,Selection of time delay curve type,IEC Def. Time
16	Reserved	Operating curve type,Selection of time delay curve type
17	Polynom 1	Operating curve type,Selection of time delay curve type,Programmable
18	Polynom 2	Operating curve type,Selection of time delay curve type,RI type
19	Polynom 3	Operating curve type,Selection of time delay curve type,RD type
20	Polynom 4	Operating curve type,Selection of time delay curve type
21	Polynom 5	Operating curve type,Selection of time delay curve type
22	Polynom 6	Operating curve type,Selection of time delay curve type
23	Polynom 7	Operating curve type,Selection of time delay curve type
24	Polynom 8	Operating curve type,Selection of time delay curve type
25	Polynom 9	Operating curve type,Selection of time delay curve type
26	Polynom 10	Operating curve type,Selection of time delay curve type
27	Polynom 11	Operating curve type,Selection of time delay curve type
28	Polynom 12	Operating curve type,Selection of time delay curve type
29	Polynom 13	Operating curve type,Selection of time delay curve type
30	Polynom 14	Operating curve type,Selection of time delay curve type
31	Polynom 15	Operating curve type,Selection of time delay curve type
32	Polynom 16	Operating curve type,Selection of time delay curve type
33	Multiline 1	Operating curve type,Selection of time delay curve type
34	Multiline 2	Operating curve type,Selection of time delay curve type
35	Multiline 3	Operating curve type,Selection of time delay curve type
36	Multiline 4	Operating curve type,Selection of time delay curve type
37	Multiline 5	Operating curve type,Selection of time delay curve type

38	Multiline 6	Operating curve type,Selection of time delay curve type
39	Multiline 7	Operating curve type,Selection of time delay curve type
40	Multiline 8	Operating curve type,Selection of time delay curve type
41	Multiline 9	Operating curve type,Selection of time delay curve type
42	Multiline 10	Operating curve type,Selection of time delay curve type
43	Multiline 11	Operating curve type,Selection of time delay curve type
44	Multiline 12	Operating curve type,Selection of time delay curve type
45	Multiline 13	Operating curve type,Selection of time delay curve type
46	Multiline 14	Operating curve type,Selection of time delay curve type
47	Multiline 15	Operating curve type,Selection of time delay curve type
48	Multiline 16	Operating curve type,Selection of time delay curve type
-1	Recloser 1	Operating curve type,Selection of time delay curve type
-2	Recloser 2	Operating curve type,Selection of time delay curve type
-3	Recloser 3	Operating curve type,Selection of time delay curve type
-4	Recloser 4	Operating curve type,Selection of time delay curve type
-5	Recloser 5	Operating curve type,Selection of time delay curve type
-6	Recloser 6	Operating curve type,Selection of time delay curve type
-7	Recloser 7	Operating curve type,Selection of time delay curve type
-8	Recloser 8	Operating curve type,Selection of time delay curve type
-9	Recloser 8+	Operating curve type,Selection of time delay curve type
-10	Recloser 8*	Operating curve type,Selection of time delay curve type
-11	Recloser 9	Operating curve type,Selection of time delay curve type
-12	Recloser 11	Operating curve type,Selection of time delay curve type
-13	Recloser 13	Operating curve type,Selection of time delay curve type
-14	Recloser 14	Operating curve type,Selection of time delay curve type
-15	Recloser 15	Operating curve type,Selection of time delay curve type
-16	Recloser 16	Operating curve type,Selection of time delay curve type
-17	Recloser 17	Operating curve type,Selection of time delay curve type
-18	Recloser 18	Operating curve type,Selection of time delay curve type
-19	Recloser A	Operating curve type,Selection of time delay curve type
-20	Recloser B	Operating curve type,Selection of time delay curve type

-21	Recloser C	Operating curve type,Selection of time delay curve type
-22	Recloser D	Operating curve type,Selection of time delay curve type
-23	Recloser E	Operating curve type,Selection of time delay curve type
-24	Recloser F	Operating curve type,Selection of time delay curve type
-25	Recloser G	Operating curve type,Selection of time delay curve type
-26	Recloser H	Operating curve type,Selection of time delay curve type
-27	Recloser J	Operating curve type,Selection of time delay curve type
-28	Recloser Kg	Operating curve type,Selection of time delay curve type
-29	Recloser Kp	Operating curve type,Selection of time delay curve type
-30	Recloser L	Operating curve type,Selection of time delay curve type
-31	Recloser M	Operating curve type,Selection of time delay curve type
-32	Recloser N	Operating curve type,Selection of time delay curve type
-33	Recloser P	Operating curve type,Selection of time delay curve type
-34	Recloser R	Operating curve type,Selection of time delay curve type
-35	Recloser T	Operating curve type,Selection of time delay curve type
-36	Recloser V	Operating curve type,Selection of time delay curve type
-37	Recloser W	Operating curve type,Selection of time delay curve type
-38	Recloser Y	Operating curve type,Selection of time delay curve type
-39	Recloser Z	Operating curve type,Selection of time delay curve type

7.2.6 5.2.6 ABBIED600_Rev1_PolarizingQuantityKind

Value	Description	Remarks
-1	Zro vol.OR cur.	Pol quantity,Reference quantity used to determine fault direction
1	None	Pol quantity,Reference quantity used to determine fault direction,Self pol
2	Zero Sequence Current	Pol quantity,Reference quantity used to determine fault direction,Zero seq. cur.
3	Zero Sequence Voltage	Pol quantity,Reference quantity used to determine fault direction,Zero seq. volt.
4	Negative Sequence Voltage	Pol quantity,Reference quantity used to determine fault direction,Neg. seq. volt.
5	Phase to Phase Voltages	Pol quantity,Reference quantity used to determine fault direction,Cross pol

6	Phase to Ground Voltages	Pol quantity,Reference quantity used to determine fault direction,Ph-to-gnd volt.
7	Positive sequence voltage	Pol quantity,Reference quantity used to determine fault direction,Pos. seq. volt.

7.2.7 5.2.7 ABBIED600_Rev2_FaultLoopKind

Value	Description	Remarks
-5	No fault	FAULT_LOOP,Fault impedance loop
-4	PhaseAtoBtoCtoGround	FAULT_LOOP,Fault impedance loop,ABCG Fault
-3	PhaseCtoAGround	FAULT_LOOP,Fault impedance loop,CAG Fault
-2	PhaseBtoCGround	FAULT_LOOP,Fault impedance loop,BCG Fault
-1	PhaseAtoBGround	FAULT_LOOP,Fault impedance loop,ABG Fault
1	PhaseAtoGround	FAULT_LOOP,Fault impedance loop,AG Fault
2	PhaseBtoGround	FAULT_LOOP,Fault impedance loop,BG Fault
3	PhaseCtoGround	FAULT_LOOP,Fault impedance loop,CG Fault
4	PhaseAtoB	FAULT_LOOP,Fault impedance loop,AB Fault
5	PhaseBtoC	FAULT_LOOP,Fault impedance loop,BC Fault
6	PhaseCtoA	FAULT_LOOP,Fault impedance loop,CA Fault
7	Others	FAULT_LOOP,Fault impedance loop,ABC Fault

7.2.8 5.2.8 ABBIED600_Rev2_AutoReclosingKind

Value	Description	Remarks
-1	Not defined	STATUS,AR status signal for IEC61850
1	Ready	STATUS,AR status signal for IEC61850
2	InProgress	STATUS,AR status signal for IEC61850
3	Successful	STATUS,AR status signal for IEC61850
4	WaitingForTrip	STATUS,AR status signal for IEC61850
5	TripFromProtection	STATUS,AR status signal for IEC61850
6	FaultDisappeared	STATUS,AR status signal for IEC61850
7	WaitToComplete	STATUS,AR status signal for IEC61850
8	CBclosed	STATUS,AR status signal for IEC61850
9	CycleUnsuccessful	STATUS,AR status signal for IEC61850

10	Unsuccessful	STATUS,AR status signal for IEC61850
11	Aborted	STATUS,AR status signal for IEC61850

7.2.9 5.2.9 ABBIED600_Rev2_cmdQual

Value	Description	Remarks
-1	Off	Operation mode,Operation mode for generic control point
0	pulse	Operation mode,Operation mode for generic control point,Pulsed
1	persistent	Operation mode,Operation mode for generic control point,Toggle/Persistent

7.2.10 5.2.10 ABBIED600_RECRER61520_Rev34_ProFcn

Value	Description	Remarks
-127	PHAPTUV1	Protection,Protection function
-126	PHCPTOV1	Protection,Protection function
-125	PHBPTOV1	Protection,Protection function
-124	PHAPTOV1	Protection,Protection function
-123	DPH3LPDOC2	Protection,Protection function
-122	DPH3LPDOC1	Protection,Protection function
-121	DPH3HPDOC2	Protection,Protection function
-120	DPH3HPDOC1	Protection,Protection function
-119	PH3LPTOC2	Protection,Protection function
-118	PH3LPTOC1	Protection,Protection function
-117	XDEFLPDEF2	Protection,Protection function
-116	XDEFLPDEF1	Protection,Protection function
-115	SDPHLPDOC2	Protection,Protection function
-114	SDPHLPDOC1	Protection,Protection function
-113	XNSPTOC2	Protection,Protection function
-112	XNSPTOC1	Protection,Protection function
-111	XEFIPTOC2	Protection,Protection function
-110	XEFHPTOC4	Protection,Protection function
-109	XEFHPTOC3	Protection,Protection function
-108	XEFLPTOC3	Protection,Protection function
-107	XEFLPTOC2	Protection,Protection function

-106	MAPGAPC16	Protection,Protection function
-105	MAPGAPC15	Protection,Protection function
-104	MAPGAPC14	Protection,Protection function
-103	MAPGAPC13	Protection,Protection function
-102	MAPGAPC12	Protection,Protection function
-101	MAPGAPC11	Protection,Protection function
-100	MAPGAPC10	Protection,Protection function
-99	MAPGAPC9	Protection,Protection function
-98	RESCPSCH1	Protection,Protection function
-96	SPHIPTOC1	Protection,Protection function
-93	SPHLPTOC2	Protection,Protection function
-92	SPHLPTOC1	Protection,Protection function
-89	SPHHPTOC2	Protection,Protection function
-88	SPHHPTOC1	Protection,Protection function
-87	SPHPTUV4	Protection,Protection function
-86	SPHPTUV3	Protection,Protection function
-85	SPHPTUV2	Protection,Protection function
-84	SPHPTUV1	Protection,Protection function
-83	SPHPTOV4	Protection,Protection function
-82	SPHPTOV3	Protection,Protection function
-81	SPHPTOV2	Protection,Protection function
-80	SPHPTOV1	Protection,Protection function
-79	PH3HPTOC2	Protection,Protection function
-78	PH3HPTOC1	Protection,Protection function
-77	PH3IPTOC1	Protection,Protection function
-76	MAPGAPC18	Protection,Protection function
-75	MAPGAPC17	Protection,Protection function
-74	DOPPDPR3	Protection,Protection function
-73	DOPPDPR2	Protection,Protection function
-72	DOPPDPR1	Protection,Protection function
-70	DUPPDPR2	Protection,Protection function

-69	DUPPDPR1	Protection,Protection function
-68	PHPVOC2	Protection,Protection function
-67	DQPTUV2	Protection,Protection function
-66	DQPTUV1	Protection,Protection function
-65	VVSPPAM1	Protection,Protection function
-64	PHPVOC1	Protection,Protection function
-63	H3EFPSEF1	Protection,Protection function
-62	SRCPTOC1	Protection,Protection function
-61	COLPTOC1	Protection,Protection function
-60	HCUBPTOC1	Protection,Protection function
-59	CUBPTOC1	Protection,Protection function
-58	UZPDIS1	Protection,Protection function
-57	FDEFLPDEF2	Protection,Protection function
-56	FDEFLPDEF1	Protection,Protection function
-54	FEFLPTOC1	Protection,Protection function
-53	FDPHLPDOC2	Protection,Protection function
-52	FDPHLPDOC1	Protection,Protection function
-50	FPHLPTOC1	Protection,Protection function
-47	MAP12GAPC8	Protection,Protection function
-46	MAP12GAPC7	Protection,Protection function
-45	MAP12GAPC6	Protection,Protection function
-44	MAP12GAPC5	Protection,Protection function
-43	MAP12GAPC4	Protection,Protection function
-42	MAP12GAPC3	Protection,Protection function
-41	MAP12GAPC2	Protection,Protection function
-40	MAP12GAPC1	Protection,Protection function
-39	UEXPDIS2	Protection,Protection function
-37	HAEFPTOC1	Protection,Protection function
-36	UEXPDIS1	Protection,Protection function
-35	WPWDE3	Protection,Protection function
-34	WPWDE2	Protection,Protection function

-33	WPWDE1	Protection,Protection function
-32	LSHDPFRQ8	Protection,Protection function
-31	LSHDPFRQ7	Protection,Protection function
-30	PHDSTPDIS1	Protection,Protection function
-29	TR3PTDF1	Protection,Protection function
-28	HICPDIF1	Protection,Protection function
-27	HIBPDIF1	Protection,Protection function
-26	HIAPDIF1	Protection,Protection function
-25	OEPVPH4	Protection,Protection function
-24	OEPVPH3	Protection,Protection function
-23	OEPVPH2	Protection,Protection function
-22	OEPVPH1	Protection,Protection function
-19	PSPTOV2	Protection,Protection function
-18	PSPTOV1	Protection,Protection function
-17	MPUPF2	Protection,Protection function
-16	MPUPF1	Protection,Protection function
-15	PREVPTOC1	Protection,Protection function
-14	OOSRPSB1	Protection,Protection function
-13	PHPTUC3	Protection,Protection function
-12	PHPTUC2	Protection,Protection function
-11	PHPTUC1	Protection,Protection function
-10	LVRTPTUV1	Protection,Protection function
-9	PHIZ1	Protection,Protection function
-8	LVRTPTUV2	Protection,Protection function
-7	INTRPTEF1	Protection,Protection function
-6	LVRTPTUV3	Protection,Protection function
-5	STTPMSU1	Protection,Protection function
-4	MREFPTOC1	Protection,Protection function
-3	JAMPTOC1	Protection,Protection function
-2	PHCPTUV1	Protection,Protection function
-1	PHBPTUV1	Protection,Protection function

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2	PHLPTOC2	Protection,Protection function
3	PHLPTOC3	Protection,Protection function
5	PHLTPTOC1	Protection,Protection function
6	PHHPTOC1	Protection,Protection function
7	PHHPTOC2	Protection,Protection function
8	PHHPTOC3	Protection,Protection function
9	PHHPTOC4	Protection,Protection function
10	PHHPTOC5	Protection,Protection function
11	PHHPTOC6	Protection,Protection function
12	PHIPTOC1	Protection,Protection function
13	PHIPTOC2	Protection,Protection function
14	MFADPSDE1	Protection,Protection function
15	MFADPSDE2	Protection,Protection function
17	EFLPTOC1	Protection,Protection function
18	EFLPTOC2	Protection,Protection function
19	EFLPTOC3	Protection,Protection function
20	EFLPTOC4	Protection,Protection function
21	DEFHPDEF4	Protection,Protection function
22	EFHPTOC1	Protection,Protection function
23	EFHPTOC2	Protection,Protection function
24	EFHPTOC3	Protection,Protection function
25	EFHPTOC4	Protection,Protection function
26	EFHPTOC5	Protection,Protection function
27	EFHPTOC6	Protection,Protection function
28	EFHPTOC7	Protection,Protection function
29	EFHPTOC8	Protection,Protection function
30	EFIPTOC1	Protection,Protection function
31	EFIPTOC2	Protection,Protection function
32	EFIPTOC3	Protection,Protection function

33	DPHHPDOC4	Protection,Protection function
34	DPHLPDOC4	Protection,Protection function
35	NSPTOC1	Protection,Protection function
36	NSPTOC2	Protection,Protection function
37	NSPTOC3	Protection,Protection function
38	NSPTOC4	Protection,Protection function
41	PDNSPTOC1	Protection,Protection function
44	T1PTTR1	Protection,Protection function
45	T1PTTR2	Protection,Protection function
46	T2PTTR1	Protection,Protection function
47	DEFLPDEF4	Protection,Protection function
48	MPTTR1	Protection,Protection function
50	DEFLPDEF1	Protection,Protection function
51	DEFLPDEF2	Protection,Protection function
52	DEFLPDEF3	Protection,Protection function
53	DEFHPDEF1	Protection,Protection function
54	DEFHPDEF2	Protection,Protection function
55	DEFHPDEF3	Protection,Protection function
56	EFPADM1	Protection,Protection function
57	EFPADM2	Protection,Protection function
58	EFPADM3	Protection,Protection function
59	FRPFRQ1	Protection,Protection function
60	FRPFRQ2	Protection,Protection function
61	FRPFRQ3	Protection,Protection function
62	FRPFRQ4	Protection,Protection function
63	FRPFRQ5	Protection,Protection function
64	FRPFRQ6	Protection,Protection function
65	LSHDPFRQ1	Protection,Protection function
66	LSHDPFRQ2	Protection,Protection function
67	LSHDPFRQ3	Protection,Protection function
68	LSHDPFRQ4	Protection,Protection function

69	LSHDPFRQ5	Protection,Protection function
70	LSHDPFRQ6	Protection,Protection function
71	DPHLPDOC1	Protection,Protection function
72	DPHLPDOC2	Protection,Protection function
73	DPHLPDOC3	Protection,Protection function
74	DPHHPDOC1	Protection,Protection function
75	DPHHPDOC2	Protection,Protection function
76	DPHHPDOC3	Protection,Protection function
77	MAPGAPC1	Protection,Protection function
78	MAPGAPC2	Protection,Protection function
79	MAPGAPC3	Protection,Protection function
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81	MAPGAPC5	Protection,Protection function
82	MAPGAPC6	Protection,Protection function
83	MAPGAPC7	Protection,Protection function
84	MAPGAPC8	Protection,Protection function
85	MNSPTOC1	Protection,Protection function
86	MNSPTOC2	Protection,Protection function
88	LOFLPTUC1	Protection,Protection function
89	LOFLPTUC2	Protection,Protection function
90	TR2PTDF1	Protection,Protection function
91	LNPLDF1	Protection,Protection function
92	LREFPNDF1	Protection,Protection function
93	LREFPNDF2	Protection,Protection function
94	MPDIF1	Protection,Protection function
96	HREFPDIF1	Protection,Protection function
97	HREFPDIF2	Protection,Protection function
98	MHZPDIF1	Protection,Protection function
100	ROVPTOV1	Protection,Protection function
101	ROVPTOV2	Protection,Protection function
102	ROVPTOV3	Protection,Protection function

103	ROVPTOV4	Protection,Protection function
104	PHPTOV1	Protection,Protection function
105	PHPTOV2	Protection,Protection function
106	PHPTOV3	Protection,Protection function
107	PHPTOV4	Protection,Protection function
108	PHPTUV1	Protection,Protection function
109	PHPTUV2	Protection,Protection function
110	PHPTUV3	Protection,Protection function
111	PHPTUV4	Protection,Protection function
112	NSPTOV1	Protection,Protection function
113	NSPTOV2	Protection,Protection function
114	NSPTOV3	Protection,Protection function
115	NSPTOV4	Protection,Protection function
116	PSPTUV1	Protection,Protection function
117	PSPTUV2	Protection,Protection function
118	ARCSARC1	Protection,Protection function
119	ARCSARC2	Protection,Protection function
120	ARCSARC3	Protection,Protection function