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Designation for 6U, 1/2x19" casing with 1 TRM

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<th>Terminal</th>
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<td>CDM</td>
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<td>X0, X1, X8, X9, X304</td>
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<td>X331, X334</td>
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<td>BIO</td>
<td>p6</td>
<td>X336, X339</td>
</tr>
</tbody>
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p= Position
Designation for 3U, 1/1x19” casing with 1 TRM

<table>
<thead>
<tr>
<th>Module</th>
<th>Slot</th>
<th>Terminal</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM</td>
<td>pCOM</td>
<td>X0, X1, X8, X9, X304</td>
</tr>
<tr>
<td>TRM</td>
<td>p2</td>
<td>X101, X102</td>
</tr>
<tr>
<td>PSM</td>
<td>pPSM</td>
<td>X317, X319, X420</td>
</tr>
<tr>
<td>BIO</td>
<td>p3</td>
<td>X321, X324</td>
</tr>
<tr>
<td>BIO</td>
<td>p4</td>
<td>X326, X329</td>
</tr>
<tr>
<td>BIO</td>
<td>p5</td>
<td>X331, X334</td>
</tr>
<tr>
<td>BIO</td>
<td>p6</td>
<td>X336, X339</td>
</tr>
</tbody>
</table>

p = Position

Rear view terminal:
Communication module (COM)

Ethernet, RJ45 connection
- only for LHHM and PC-tools

Ethernet, LC optical

RS485_GNDC
RS485_RX
RS485_TX TERM
RS485_SIG GND
RS485_GND

RS485_RX
RS485_TX
RS485_SIG GND

IRIG-B
IRIG-B_GNDC
IRIG-B+
IRIG-B_GND

Optical serial port, ST connector

Configuration plant: SCADAPack

EXT_TRIP
EXT_LBBP_TRIP
EXT_TRIP_RI
EXT_500F_L_A
EXT_500F_L_B
EXT_79_RI_1P
EXT_79_RI_3P
EXT_79_BLK
LINE_VT_OK
BUS1_VT_OK
BUS2_VT_OK

Observe polarity sequence
Power supply module 48–125 VDC (PSM)

Configuration plant adopted

T1, TRIP_A
T2, TRIP_B
T3, TRIP_C
T4, CLOSE_BKR
T5, ANLY_YT.NOT_OK
T6, TCS_ALRM
S1, S061_J_A
S2, S061_J_B
S3, S061_J_C

Auxiliary supply EL
Protective earth
Normal
Foil

Observe polarity sequence

Rock casing =XA =XB =XC
6U, 1/2x19" X307 X410 X309
3U, 1/1x19" X317 X420 X319
Power supply module 110–250 VDC, 100–240 VAC (PSM)

Configuration: pPSM

T1, TRIP_A
T2, TRIP_B
T3, TRIP_C
T4, CLOSE_BKR
T5, ANY_VLT_NOT_OK
T6, TCS_ALRM
S1, S00F_J_A
S2, S00F_J_B
S3, S00F_J_C

Auxiliary supply EL
Protective earth
Normal
Foil

Observe polarity sequence

Rock casing =XA =XB =XC
6U, 1/2x19" X307 X410 X309
3U, 1/1x19" X317 X420 X319

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Approved: 2011-11-24

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ABB AB
Transformer module (TRM)

Compression or ringlug terminals

- Indicates polarity mark. Note that internal polarity can be adjusted by setting of analog input CT neutral direction and or on SMAI pre-processing function blocks.
Binary input/output module (BIO)

Observe polarity sequence
Configuration plant adopted

C1 ZCOM_CS
C2 GFCOM_CS
C3 LINE_DTT
S1 SPARE
S2 SPARE
S3 52PD_OPER
S4 SPARE
S5 SPARE
S6 BKR_ALARM

BIO1 79_ON
BIO2 SPARE
BIO3 SPARE
BIO4 ZCOM_CR
BIO5 ZCOM_CRG
BIO6 GFCOM_CR
BIO7 LINE_DTR
BIO8 ACTV_TESTMODE
BIO9 CHANGE_LOCK

Observe polarity sequence