# Table of contents

<table>
<thead>
<tr>
<th>Part of product</th>
<th>Sheet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Designation for 6U, 1/2x19&quot; casing with 1 TRM slot</td>
<td>2</td>
</tr>
<tr>
<td>Communication module (COM)</td>
<td>3</td>
</tr>
<tr>
<td>Power supply module 48–125 VDC (PSM)</td>
<td>4</td>
</tr>
<tr>
<td>Power supply module 110–250 VDC, 100–240 VAC (PSM)</td>
<td>5</td>
</tr>
<tr>
<td>Transformer module (TRM)</td>
<td>6</td>
</tr>
<tr>
<td>Binary input/output module (BIO)</td>
<td>7</td>
</tr>
<tr>
<td>Binary input/output module (BIO)</td>
<td>8</td>
</tr>
</tbody>
</table>
Designation for 6U, 1/2x19" casing with 1 TRM

<table>
<thead>
<tr>
<th>Module</th>
<th>Slot</th>
<th>Terminal</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDM</td>
<td>pCOM</td>
<td>X0, X1, X4, X9, X304</td>
</tr>
<tr>
<td>PSM</td>
<td>pPSM</td>
<td>X307, X309, X410</td>
</tr>
<tr>
<td>TRM</td>
<td>p2</td>
<td>X101, X102</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

X304 X307 X101 X324 X326 X331 X336
X309 X310 X329 X334 X339
X410 X324

1/2x19"
Communication module (COM)

- Ethernet, RJ45 connection only for HMI and PC-tools
- Ethernet, LC optical
- Cable shield grounding via capacitor
- IRIG-B -
- IRIG-B +
- Optical serial port, ST connector

Observe polarity sequence

Configuration part adapted:

- BI01 ZCOM_CCR
- BI02 ZCOM_CRC
- BI03 GND_CR
- BI04 LINE_DTR
- BI05 EXT_TRIP
- BI06 79_ON
- BI07 79_OFF
- BI08 76_AST
- BI09 79_EXT_RI
- BI10 79_EXT_BLK
- BI11 SYNCL_VL_OK
- BI12 SYNCl2_VL_OK
- BI13 LINE_VL_OK
- BI14 SHAE
Power supply module 48–125 VDC (PSM)

Observe polarity sequence
Power supply module 110–250 VDC, 100–240 VAC (PSM)

Configuration plant adopted

T1, TRIP
T2, SPARE
T3, SPARE
T4, CLOSE
T5, 78-BI
T6, SPARE
S1, TCS_ALARMS
S2, BAR_ALARMS
S3, 78_INPROG

Auxiliary supply EL
Protective earth
Normal
Fail

Observe polarity sequence
Transformer module (TRM)

p2

X101
CT/VT CONFIG=4I/11+5U
LINE_CT_PH_A
  2
  3
  A01 1/5A
LINE_CT_PH_B
  4
  5
  A02 1/5A
LINE_CT_PH_C
  6
  7
  A03 1/5A
CT_COMP
  8
  9
  A04 1/5A
IP
  10
  11
  A05 0.1/0.5A
X102
LINE_VA
  2
  3
  A06 100–220V
LINE_VB
  4
  5
  A07 100–220V
LINE_VC
  6
  7
  A08 100–220V
SYNC1_VT
  8
  9
  A09 100–220V
SYNC2_VT
  10
  11
  A10 100–220V

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 SMI or pre-processing function blocks.
Binary input/output module (BIO)

Configuration plant adapted

Observe polarity sequence
Binary input/output module (B10)

Configuration plant adapted

Observe polarity sequence