# Table of contents

<table>
<thead>
<tr>
<th>Part of product</th>
<th>Sheet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Designation for 3U, 1/1x19&quot; casing with 1 TRM slot and 1 AIM slot</td>
<td>2</td>
</tr>
<tr>
<td>Communication module (COM05)</td>
<td>3</td>
</tr>
<tr>
<td>Power supply module 24–30 VDC (PSM01)</td>
<td>4</td>
</tr>
<tr>
<td>Power supply module 48–125 VDC (PSM02)</td>
<td>5</td>
</tr>
<tr>
<td>Power supply module 110–250 VDC, 100–240 VAC (PSM03)</td>
<td>6</td>
</tr>
<tr>
<td>Transformer module (TRM01)</td>
<td>7</td>
</tr>
<tr>
<td>Analog input module (AIM01)</td>
<td>8</td>
</tr>
<tr>
<td>Binary input/output module (B1001)</td>
<td>9</td>
</tr>
</tbody>
</table>
Designation for 3U, 1/1x19" casing with 1 TRM and 1 AIM

<table>
<thead>
<tr>
<th>Module</th>
<th>Slot</th>
<th>Terminal</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM05</td>
<td>pCOM</td>
<td>X0, X1, X8, X9, X304</td>
</tr>
<tr>
<td>TRM01</td>
<td>p2</td>
<td>X101, X102</td>
</tr>
<tr>
<td>PSM01</td>
<td>pPSM</td>
<td>X317, X319, X420</td>
</tr>
<tr>
<td>PSM02</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSM03</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIM01</td>
<td>p4</td>
<td>X103, X104</td>
</tr>
<tr>
<td>B1001</td>
<td>p5</td>
<td>X331, X334</td>
</tr>
<tr>
<td>B1001</td>
<td>p6</td>
<td>X336, X339</td>
</tr>
</tbody>
</table>

Compression or ringlug terminals

Rear view slot

Rear view terminal
Communication module COM05

Ethernet, RJ45 connection only for LHMI and PC-tools

Ethernet, LC optical

RS485_GND
RS485_RX TERM
RS485_RX +
RS485_TX TERM
RS485_SIG GND
RS485_GND
RS485_RX -
RS485_TX +
RS485_RX -
RS485_SIG GND
IRIG-B -
IRIG-B_GND
IRIG-B +
IRIG-B_GND

Optical serial port, ST connector

⚠️
Observe polarity sequence of RL connectors
Observe polarity sequence

Power supply module PSM01 24–30 VDC

---

Configuration
- GEN_CB_TRIP
- FIELD_CB_TRIP
- TURBINE_TRIP
- HV_CB_TRIP
- AUX_TR_CB_TRIP
- SYNC_OK
- HVCB_BFP_TRIP
- SOAE_TRIP
- TRIP_6

INTERNAL FAIL

PROTECTIVE EARTH

---

ABB AB

Doc.No. 1MRK006501-PD
Observe polarity sequence
Observe polarity sequence

Power supply module PSM03 110–250 VDC, 100–240 VAC

+ X317 TCS1 T1
  1
  2
  3
  4

+ X317 TCS2 T2
  5
  6
  7
  8

+ X317 TCS3 T3
  9
  10
  11
  12

- X317 TCS4 T4
  13
  14
  15
  16

- X317 TCS5 T5
  17
  18

CONFIGURATION
GEN_CB_TRIP
FIELD_CB_TRIP
TURBINE_TRIP
HV_CB_TRIP
AUX_TR_CB_TRIP
SYNC_OK
HVCB_BFP_TRIP
SOAF_TRIP
TRIP_6

INTERNAL FAIL

+ RF

PROTECTIVE EARTH

EL

Ready
Fail

X319

420
Transformer module TRM01

- Indicates high polarity. Note that internal polarity can be adjusted by setting of analog input CT neutral direction and or on SMAl pre-processing function blocks.
Analog input module AIM01

- Indicates high polarity. 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 B1001

Observe polarity sequence of RL connectors