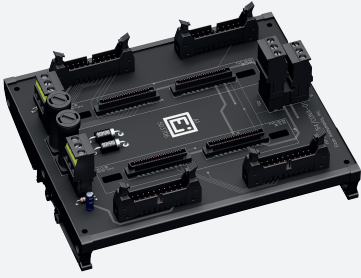


HART Termination Board

HiSHPMM/64/CONA-01



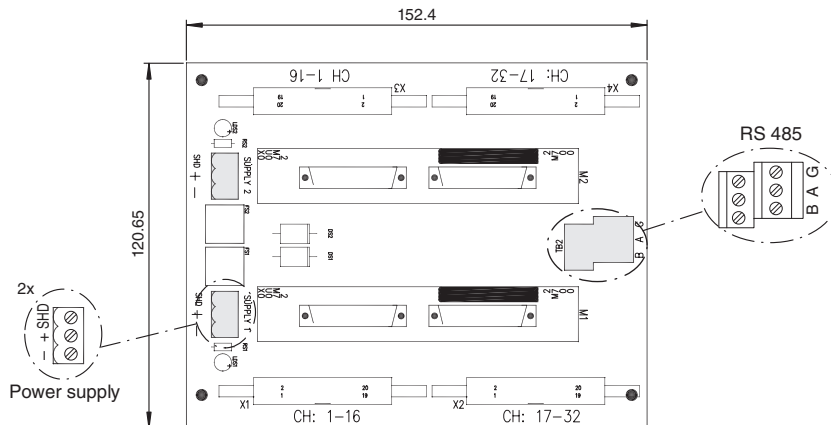
- 64-channel
- 24 V DC supply
- Connection of two Multiplexers to HART enabled Honeywell TDC 3000 FTA's
- Redundant power supply connections
- Dual RS 485 connections
- HART loop connection via four 20-pin flat ribbon connectors
- Compact design



Function

The Termination Board is designed to complement the I/O termination panels and provide access to all HART information. The HART Termination Board provides a robust solution for on-line HART communications, interfaces up to 64 field located HART devices, and it allows a connection to H-System Termination Boards. This is ideal for retrofitting existing installations and maintains all existing hardware and field wiring.

Connection



Technical Data

| Supply | |
|---|---------------------------------|
| Rated voltage | U_r 24 V DC |
| Fusing | 2 A, 5 x 20 mm (0.2 x 0.8 inch) |
| Power dissipation | 0.7 W, with Multiplexer |
| Reverse polarity protection | yes |
| HART signal channels (intrinsically safe) | |
| HART signal channels | |
| Number of channels | 64 unbalanced signal loops |
| Redundancy | |
| Supply | yes |
| Galvanic isolation | |
| HART signal channels | 30 V DC |

Release date: 2023-06-01 Date of issue: 2023-06-01 Filename: 475503_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0002
pa-info@us.pepperl-fuchs.com

Germany: +49 621 776 2222
pa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
pa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

Technical Data

| Ambient conditions | |
|---------------------------|---|
| Ambient temperature | -20 ... 55 °C (-4 ... 131 °F) |
| Relative humidity | 5 ... 90 %, non-condensing |
| Mechanical specifications | |
| Core cross section | 2.5 mm ² (16 AWG) |
| Connection | HART loop interface: connectors depending on version RS-485 interface: removable screw terminals power: removable screw terminals |
| Mass | approx. 500 g |
| Dimensions | 152 x 121 x 142 mm (6 x 4.75 x 5.6 inch) (W x H x D) , depth including module assembly with HiDMux2700 |
| Mounting | DIN rail mounting |
| General information | |
| Supplementary information | Observe the certificates, declarations of conformity, instruction manuals, and manuals where applicable. For information see www.pepperl-fuchs.com . |

Additional Information

Connection Assignment

| X1 (X3) | | | X2 (X4) | | |
|---------|--------|---------|---------|--------|---------|
| Pin | Signal | Channel | Pin | Signal | Channel |
| A1 | 1+ | 1 | A1 | 17+ | 17 |
| B1 | 2+ | 2 | B1 | 18+ | 18 |
| A2 | 3+ | 3 | A2 | 19+ | 19 |
| B2 | 4+ | 4 | B2 | 20+ | 20 |
| A3 | 5+ | 5 | A3 | 21+ | 21 |
| B3 | 6+ | 6 | B3 | 22+ | 22 |
| A4 | 7+ | 7 | A4 | 23+ | 23 |
| B4 | 8+ | 8 | B4 | 24+ | 24 |
| A5 | 9+ | 9 | A5 | 25+ | 25 |
| B5 | 10+ | 10 | B5 | 26+ | 26 |
| A6 | 11+ | 11 | A6 | 27+ | 27 |
| B6 | 12+ | 12 | B6 | 28+ | 28 |
| A7 | 13+ | 13 | A7 | 29+ | 29 |
| B7 | 14+ | 14 | B7 | 30+ | 30 |
| A8 | 15+ | 15 | A8 | 31+ | 31 |
| B8 | 16+ | 16 | B8 | 32+ | 32 |
| A9 | GND | | A9 | GND | |
| B9 | GND | | B9 | GND | |
| A10 | GND | | A10 | GND | |
| B10 | GND | | B10 | GND | |

Versions

| | |
|------------------------|-------------------------------|
| HiSHPMM/64/CONA-01 | Version for wall mounting |
| HiSHPMM/64/CONA-01-DIN | Version for DIN rail mounting |

Accessories

| | |
|--------------|--|
| CA-R20-R2-** | Connection cable, where ** equals length in foot |
|--------------|--|