

Features

- 4 x 8-channel
- 24 V DC supply
- Suitable for HART communication
- Dual RS 485 connections
- Used with HiD/HiC Termination Boards
- LED for supply status

Function

This HART Communication Board can interface with four, 8-channel H-System Termination Boards.

It contains one slot to mount the 32-channel HART Multiplexer type HiD Mux2700.

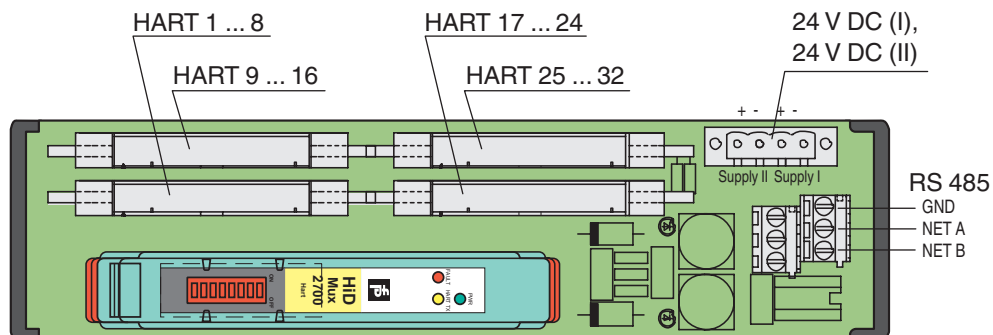
The HART interface cable provides easy connection between the HiD/HiC Termination Boards and the HART Communication Board.

It offers fused redundant power supply connections with LED indication. RS 485 terminals are redundant and can be daisy chained.

Assembly

CE

Connection



| | |
|----------------------------------|---|
| Supply | |
| Connection | X20: terminals 1, 3 (+); 2, 4 (-) |
| Nominal voltage | 24 V DC SELV/PELV |
| Voltage drop | 0.9 V , voltage drop across the series diode on the termination board must be considered |
| Ripple | ≤ 10 % |
| Fusing | 0.5 A |
| Power dissipation | ≤ 500 mW , without modules |
| Reverse polarity protection | yes |
| Interface | |
| Type/number | 2 x RS-485 |
| Redundancy | |
| Supply | Redundancy available. Each supply is decoupled. |
| Indicators/settings | |
| Display elements | LED PWR1 (Termination Board power supply), green LED LED PWR2 (Termination Board power supply), green LED |
| Directive conformity | |
| Electromagnetic compatibility | |
| Directive 2014/30/EU | EN 61326-1:2013 (industrial locations) |
| Conformity | |
| Electromagnetic compatibility | NE 21:2012 For further information see system description. |
| Degree of protection | IEC 60529:2001 |
| Ambient conditions | |
| Ambient temperature | -20 ... 60 °C (-4 ... 140 °F) |
| Storage temperature | -40 ... 70 °C (-40 ... 158 °F) |
| Mechanical specifications | |
| Degree of protection | IP20 |
| Connection | |
| Control side | RS-485 : 1 x screw terminal , black HART : 4 x IDC plug, 34-pin |
| Supply | pluggable screw terminals , black |
| Core cross-section | screw terminals: 0.25 ... 1.5 mm ² (24 ... 12 AWG) |
| Material | housing: polycarbonate, 10 % glass fiber reinforced |
| Mass | approx. 210 g |
| Dimensions | 50 x 200 x 163 mm (1.97 x 7.9 x 6.42 inch) , height including module assembly |
| Mounting | on 35 mm DIN mounting rail acc. to EN 60715:2001 |
| General information | |
| Supplementary information | Observe the certificates, declarations of conformity, instruction manuals, and manuals where applicable. For information see www.pepperl-fuchs.com . |
| Accessories | |
| Designation | optional accessories: - HART multiplexer master HiDMux2700 - HART connection cable HiACA-UNI-FLK34-*M* |

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