

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 be connected with up to 32 channels of a H-System termination board.

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

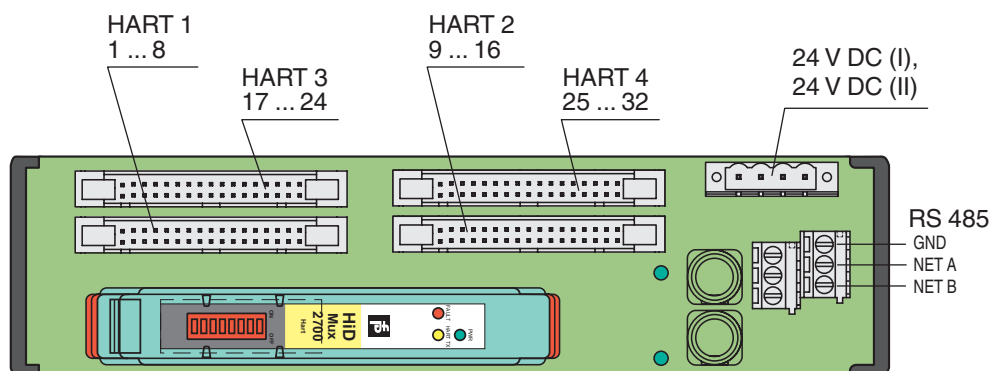
HART interface cables provide easy connection between termination boards and the HART Communication Board.

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

Assembly

CE

Connection



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

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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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