Features

- 2 x 16-channel
- 24 V DC supply
- Suitable for HART communication
- Dual RS 485 connections
- Used with HiD/HiC Termination Boards
- LED indicator for supply status

Function

This HART Communication Board can be connected with up to 32 channels of a H-System termination board.

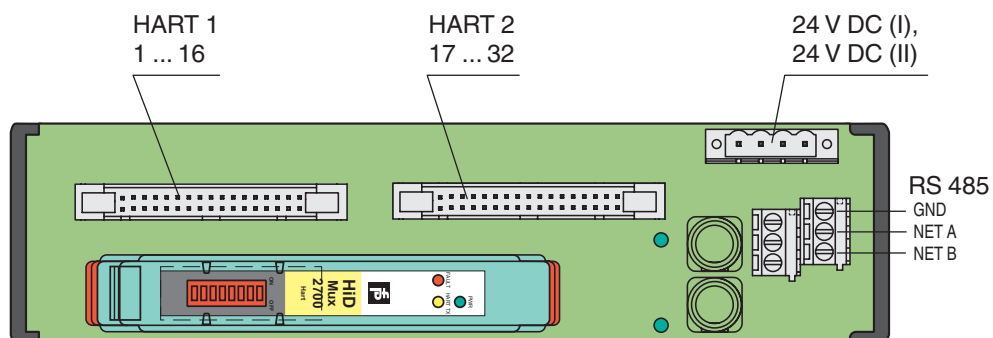It contains one slot to mount the 32-channel HART Multiplexer Master type HiD Mux2700.

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

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

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Supply		
Connection		X20: terminals 1, 3 (+); 2, 4 (-)
Rated voltage	U_n	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
Redundancy		
Supply		Redundancy available. The supply for the modules is decoupled, monitored and fused.
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		RS 485 connection: srcew terminals, black HART connection: IDC plug, 34-pin power supply connection: pluggable screw terminals, black
Core cross-section		0.25 ... 1.5 mm^2 (24 ... 12 AWG)
Material		housing: polycarbonate, 10 % glass fiber reinforced
Mass		approx. 190 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		Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-fuchs.com.
Accessories		
Designation		optional accessories: - HART multiplexer master HiDMux2700 - HART connection cable HiACA-UNI-FLK34-*M*

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

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