

Features

- Triconex 3805E replacement FTA
- 32 channels of I/O
- Outputs: 4 x 8 channels, 4 mA ... 20 mA current loop, DC coupled
- Short-circuit protected
- HART analog output filters

Assembly

Function

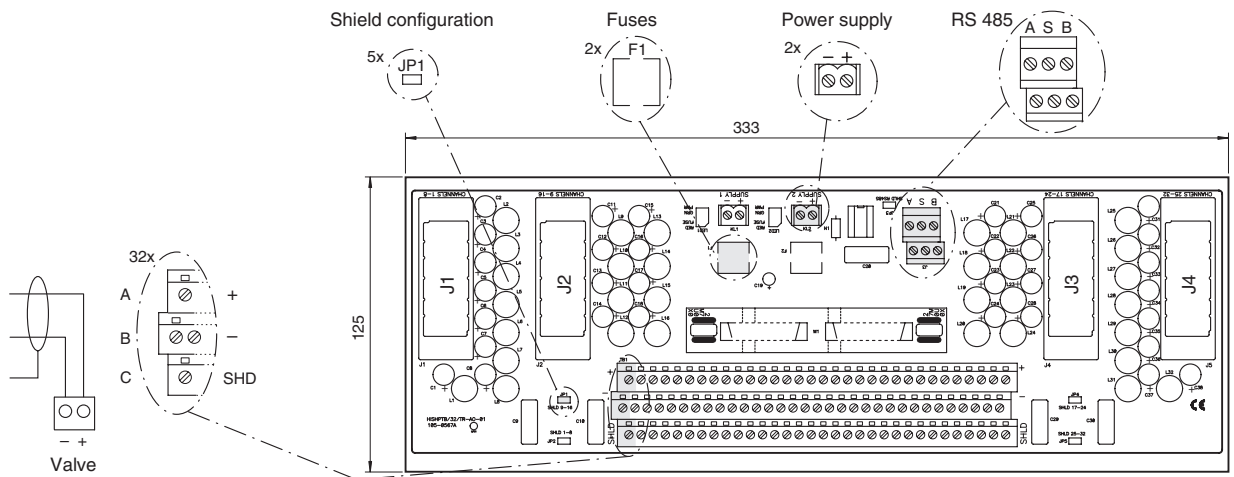
The Termination Board is designed for easy HiDMux2700 Multiplexer integration with the Tricon safety system.

With the Multiplexer integrated into the board and plug-n-play option for the DCS equipment, this provides a very clean access to the HART signals, while reducing the need for marshalling cabinets and reducing equipment that require extra cabinet space.

The HART Termination Board provides a robust solution for on-line HART communications, interfaces up to 32 field located HART devices, and, it allows the user to replace standard DCS field termination panels.



Connection



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

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Supply	
Rated voltage	U_N 20 ... 30 V DC
Fusing	3.15 A , 5 x 20 mm (0.2 x 0.8 in)
Power loss	0.7 W , with Multiplexer
Reverse polarity protection	yes
HART signal channels (intrinsically safe)	
HART signal channels	
Number of channels	32 unbalanced signal loops
Redundancy	
Supply	yes
Electrical isolation	
HART signal channels	30 V DC
Ambient conditions	
Ambient temperature	0 ... 55 °C (32 ... 131 °F)
Relative humidity	5 ... 90 %, non-condensing
Mechanical specifications	
Core cross-section	2.5 mm ² (16 AWG)
Connection	field side: screw terminals control side: 56-pin Elco connector RS 485 interface: removable screw terminals power: removable screw terminals
Mass	approx. 500 g
Dimensions	without HiDMux2700: 333 x 125 x 79 mm (13.1 x 4.9 x 3.1 in) with Mux2700: 333 x 125 x 208 mm (13.1 x 4.9 x 8.2 in)
Mounting	DIN rail mounting
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 .

Versions

HiSHPTB/32/TR-AO-01	standard version
HiSHPTB/32/TR-AO-01-C	coated version

Connections

Terminal block	Channel
TB1	1 ... 32
J1	1 ... 8
J2	9 ... 16
J3	17 ... 24
J4	25 ... 32

Configuration

Jumper	Output	Galvanic grounding	Capacitive grounding
JP1	Channel 1 ... 8	closed	opened
JP2	Channel 9 ... 16	closed	opened
JP3	RS 485	closed	opened
JP3	Channel 17 ... 24	closed	opened
JP5	Channel 25 ... 32	closed	opened

Triconex I/O interface

- 3805E

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