

Features

- TDC 3000 replacement FTA
- Short-circuit protected
- DCS wirings
- Redundant power supply connections
- Field terminal blocks that are Honeywell FTA compatible
- Honeywell "B" size footprint

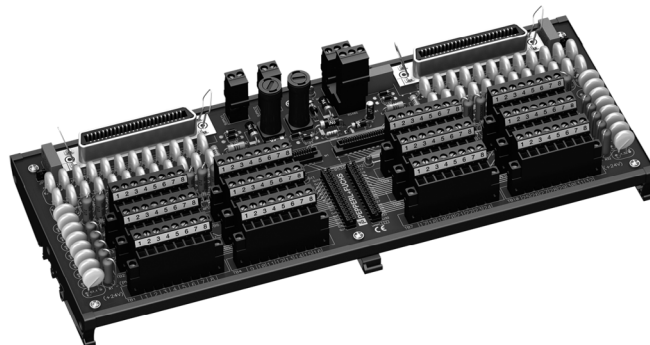
Function

The Termination Board is a Field Termination Assembly (FTA) that is designed as a replacement for the TDC3000 simplex analog input FTA.

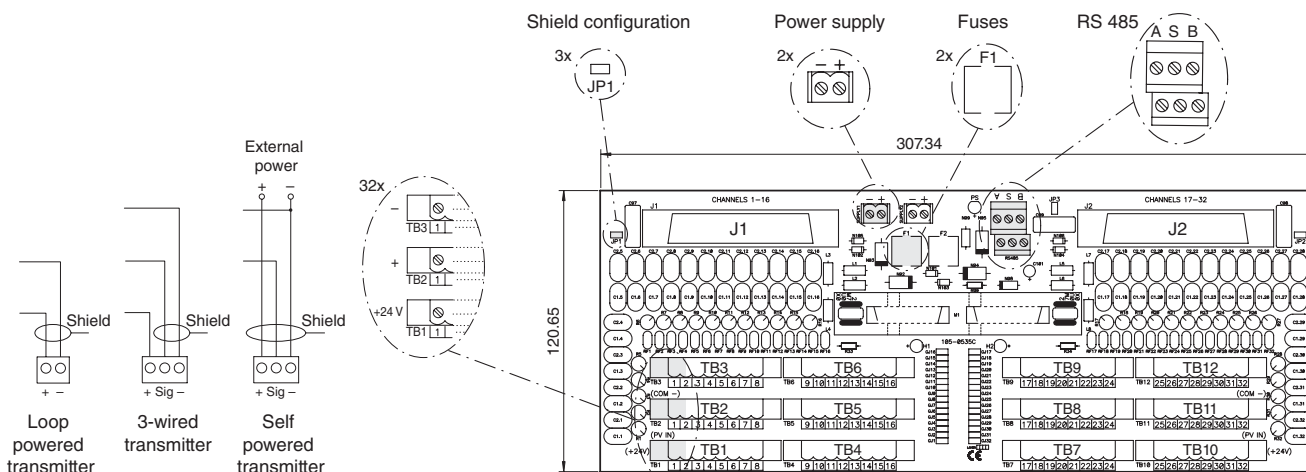
The FTA in conjunction with a Multiplexer HiDMux2700 will extract the digital HART data from standard 4 mA ... 20 mA loops.

The HART Termination Board interfaces up to 32 field located HART devices to a DCS.

Assembly



Connection



Supply	
Rated voltage	20 ... 30 V DC
Fusing	315 mA , 5 x 20 mm (0.2 x 0.8 in)
Power loss	0.7 W , with Multiplexer
Reverse polarity protected	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: 5.08 mm removable screw terminals control side: 50-pin Centronics plug RS 485 interface: 5.08 mm removable screw terminals power: removable screw terminals
Mass	approx. 500 g
Dimensions	without HiDMux2700: 333 x 127 x 57 mm (13.1 x 5 x 2.84 in) with HiDMux2700: 333 x 127 x 190 mm (13.1 x 5 x 7.5 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/HONB-AI-01	version for panel mounting
HiSHPTB/32/HONB-AI-01-DIN	version for DIN rail mounting

Connections

Terminal block	Channel	Connection
TB1	1 ... 8	(P)
TB2	1 ... 8	(+)
TB3	1 ... 8	(-)
TB4	9 ... 16	(P)
TB5	9 ... 16	(+)
TB6	9 ... 16	(-)
TB7	17 ... 24	(P)
TB8	17 ... 24	(+)
TB9	17 ... 24	(-)
TB10	25 ... 32	(P)
TB11	25 ... 32	(+)
TB12	25 ... 32	(-)

Configuration

Connector	Channels
J1	1 ... 16
J2	17 ... 32

Jumper	Analog input simplex	Galvanic grounding	Capacitive grounding
JP1	DCS side channels 1 ... 16	closed	opened
JP2	DCS side channels 17 ... 32	closed	opened
JP3	RS 485	closed	opened

Honeywell IOP interfaces

- MU-PAIH01
- MU-PAIH02
- MC-PAIH02
- MU-PAIH03