

**Features**

- Triconex 3704E and 3720 replacement FTA
- 2- or 3-wire or self powered transmitters
- Outputs: 1 x 32 channels, 0 V ... 5 V differential, DC coupled
- Short-circuit protected
- Plug-n-play wiring capabilities

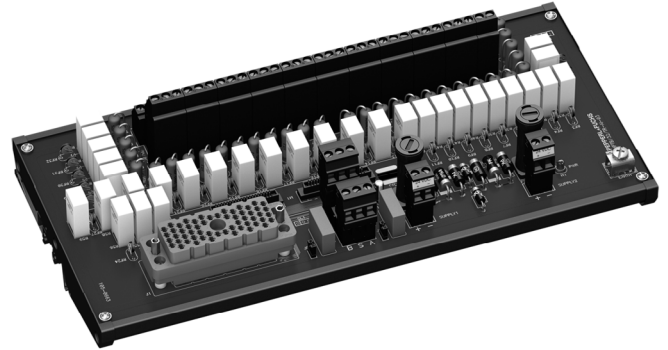
**Function**

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

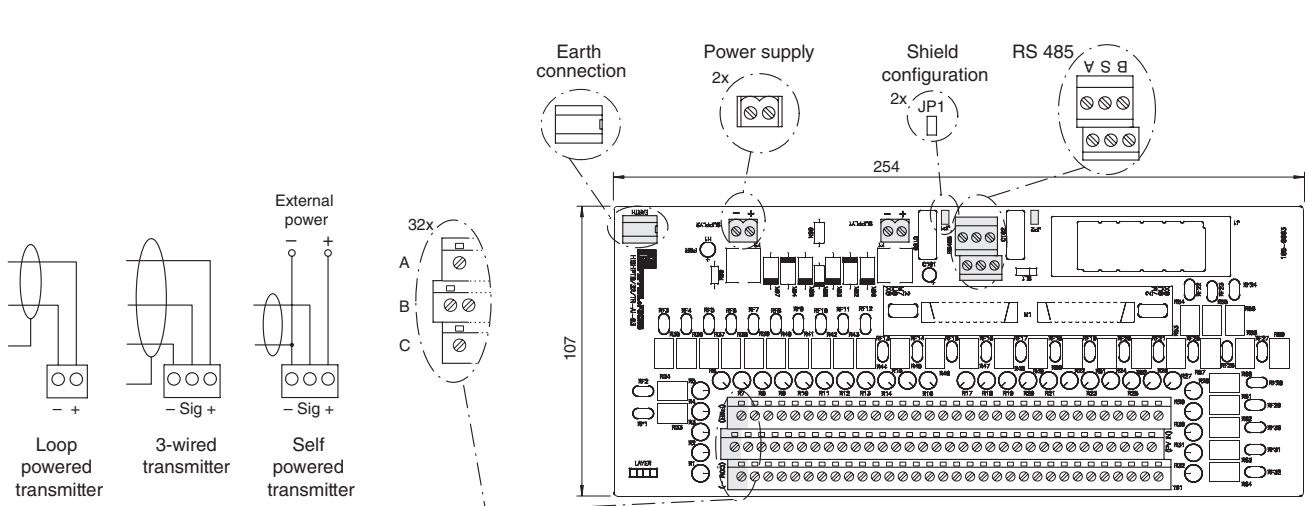
With the Multiplexer integrated into the board and plug-n-play option for the DCS equipment, this provides a very clean access to the HART signals, while reducing the need for marshalling cabinets and reducing equipment that require extra cabinet space.

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.

**Assembly**



**Connection**



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<b>Supply</b>	
Rated voltage	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 protected	yes
<b>HART signal channels (intrinsically safe)</b>	
HART signal channels	
Number of channels	32 unbalanced signal loops
<b>Redundancy</b>	
Supply	yes
<b>Electrical isolation</b>	
HART signal channels	30 V DC
<b>Ambient conditions</b>	
Ambient temperature	0 ... 55 °C (32 ... 131 °F)
Relative humidity	5 ... 90 %, non-condensing
<b>Mechanical specifications</b>	
Core cross-section	2.5 mm <sup>2</sup> (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: 254 x 107 x 79 mm (10 x 4.2 x 3.1 in) with HiDMux2700: 254 x 107 x 208 mm (10 x 4.2 x 8.2 in)
Mounting	DIN rail mounting
<b>General information</b>	
Supplementary information	Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see <a href="http://www.pepperl-fuchs.com">www.pepperl-fuchs.com</a> .

## Connections

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

## Configuration

Jumper	Analog input	Galvanic grounding	Capacitive grounding
JP1	RS 485	closed	opened

## Triconex I/O interface

- 3704E, requires 2 pieces of the HiSHPTB/32/TR-AI-03 for every 3721 input card
- 3720, requires 2 pieces of the HiSHPTB/32/TR-AI-03 for every 3721 input card

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