



- ABB I/O FTA replacement
- Plug-n-play wiring capabilities
- 37-pin Sub-D connector; field wiring
- 26-pin connectors; DCS wiring
- Redundant power supply connections
- Simple jumper setting for AI or AO
- Short-circuit proof

HiSHPTB/32/ABB1B-01

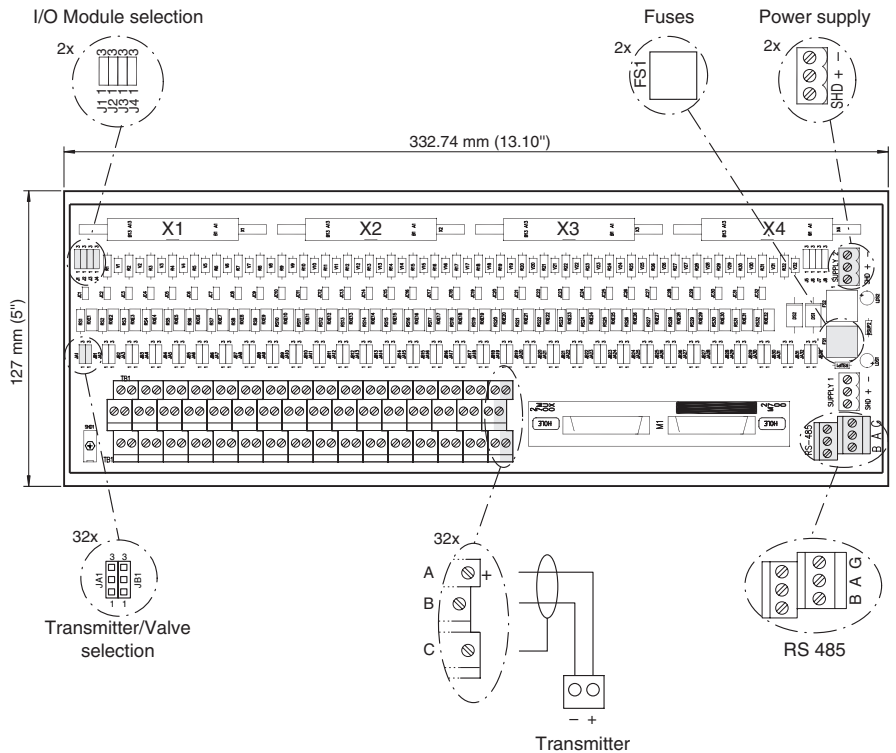
Function

The Termination Board is designed for easy Mux2700 Multiplexer integration with ABB I/O modules DSAI133 and DSAX110.

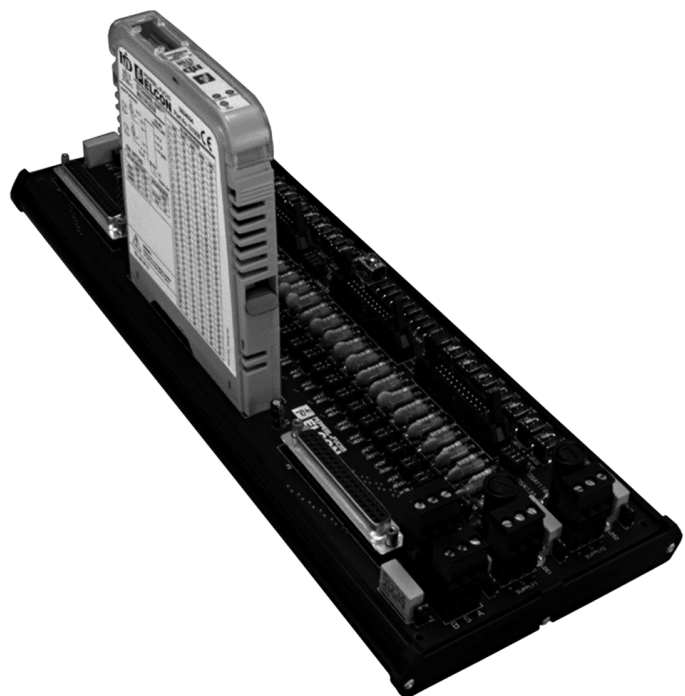
With the Multiplexer integrated into the board and plug-n-play options for field and DCS equipment, this provides a clean and clear access to the HART signals.

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



Composition



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Supply	
Rated voltage	20 ... 30 V DC
Fusing	2 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	
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 (273 ... 328 K)
Relative humidity	5 ... 90 %, non-condensing
Mechanical specifications	
Core cross-section	2.5 mm ² (16 AWG)
Connection	field side: Sub-D socket 2 x 37-pin control side: connectors 4 x 26-pin RS 485 interface: removable screw terminals power: removable screw terminals
Mass	approx. 700 g
Dimensions	without Mux2700: 333 x 127 x 57 mm (13.1 x 5 x 2.84 in) with Mux2700: 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 and instructions have to be observed where applicable. For information see www.pepperl-fuchs.com .

Connections

Connector	Channels
X1	Channels 1 ... 16, primary
X2	Channels 1 ... 16, secondary
X3	Channels 17 ... 32, primary
X4	Channels 17 ... 32, secondary

Configuration

Jumper	2-wire SMART transmitter	SMART valve
JA*	Pins 1 - 2 closed	Pins 2 - 3 closed
JB*	Pins 1 - 2 closed	Pins 2 - 3 closed
JC*	closed	opened

Jumper	Channels	I/O module type DSAI133	I/O module type DSAX110
J1 ... J4	Channels 1 ... 16 (X1 and X2)	Pins 1 - 2 closed	Pins 2 - 3 closed
J5 ... J8	Channels 17 ... 32 (X3 and X4)	Pins 1 - 2 closed	Pins 2 - 3 closed

ABB I/O interfaces

- for ABB I/O module DSAI133
- for ABB I/O module DSAX110