



- Modicon analog input FTA replacement
- 32 channels of I/O
- Short-circuit protected
- Universal DCS wiring
- HART input filters

**HiSHPTB/32/MOD-AI-01**

**Function**

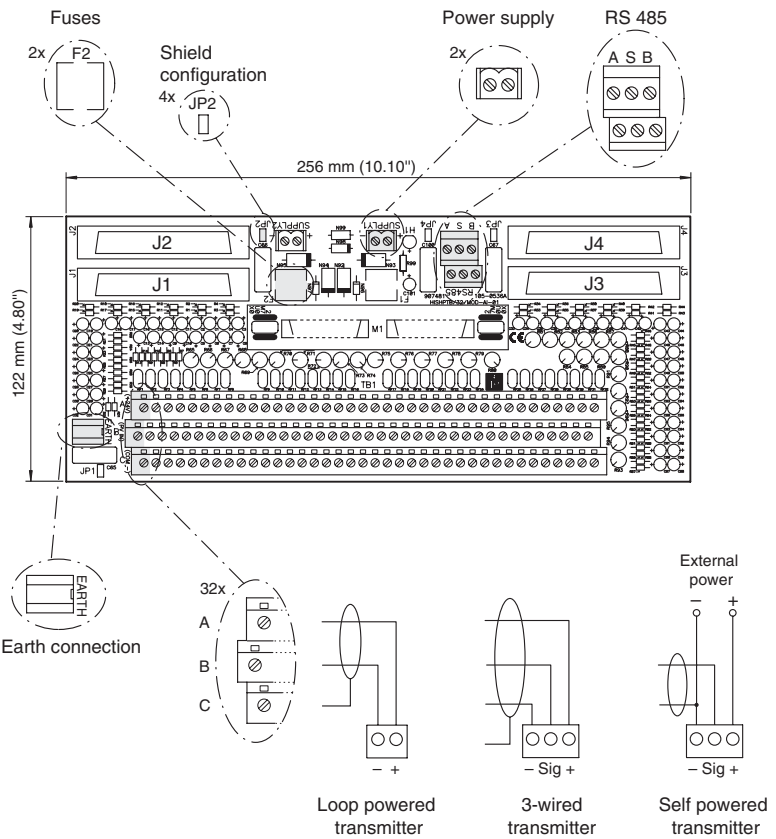
The Termination Board is designed for easy Mux2700 Multiplexer integration with the Modicon PLC system.

With the Multiplexer designed to fit on to the Termination Board itself, the need for marshalling cabinets is greatly reduce.

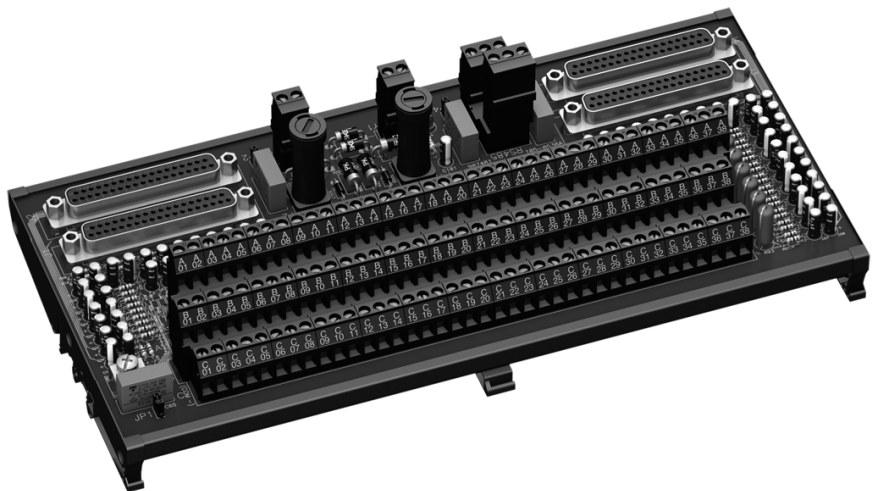
The Termination Board provides universal connectors, which will allow easy connectivity to many different PLC platforms. This Termination Board also provides a unique feature, HART analog input filters, which are often required when using with a PLC.

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**



<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: Sub-D plug 37-pin 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
<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**

Channel				Sub-D pin	
J1	J2	J3	J4	+	-
Channel 1	Channel 9	Channel 17	Channel 25	Pin 1	Pin 2
Channel 2	Channel 10	Channel 18	Channel 26	Pin 5	Pin 6
Channel 3	Channel 11	Channel 19	Channel 27	Pin 11	Pin 12
Channel 4	Channel 12	Channel 20	Channel 28	Pin 15	Pin 16
Channel 5	Channel 13	Channel 21	Channel 29	Pin 21	Pin 22
Channel 6	Channel 14	Channel 22	Channel 30	Pin 25	Pin 26
Channel 7	Channel 15	Channel 23	Channel 31	Pin 31	Pin 32
Channel 8	Channel 16	Channel 24	Channel 32	Pin 35	Pin 36

**Configuration**

Jumper	Analog input	Galvanic grounding	Capacitive grounding
JP1	Field side channels 1 ... 32	closed	opened
JP2	DCS side channels 1 ... 16	closed	opened
JP3	DCS side channels 17 ... 32	closed	opened
JP4	RS 485	closed	opened

**Modicon I/O interfaces**

- 140 ACI 04000
- 140 AVI 04000 (configured for 4 mA ... 20mA)