



- Ideal for retrofitting existing installations
- Serial or parallel wiring options
- 37-pin Sub-D connectors
- Redundant power supply connections
- HART filter options
- Fuse options

HiSHPSM/32/TB-02

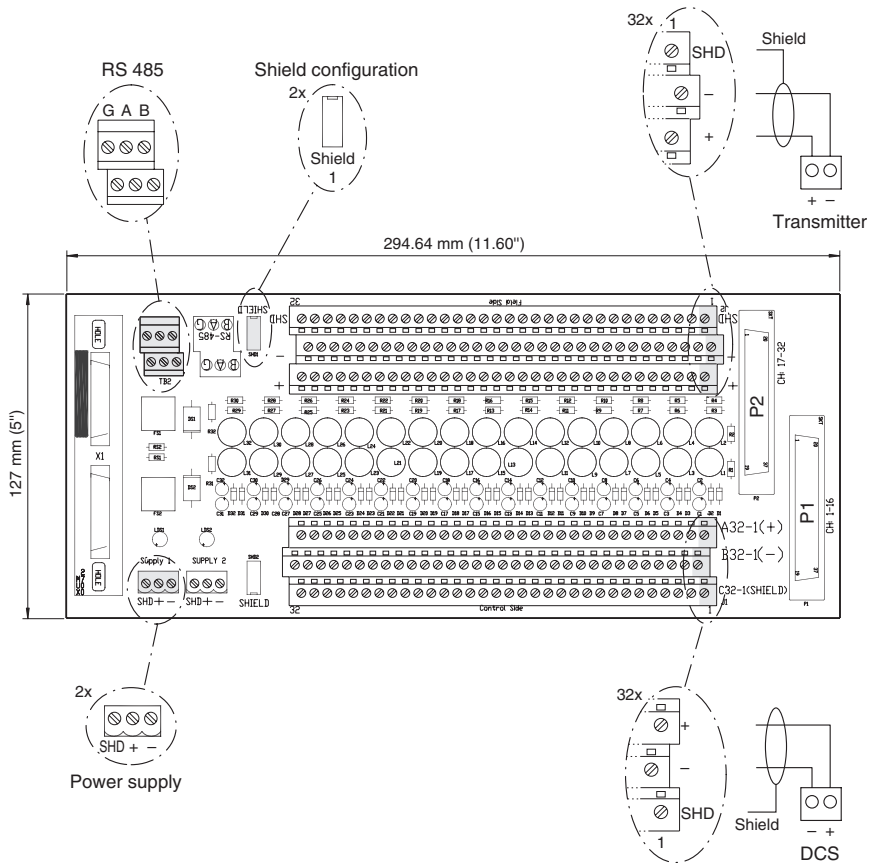
Function

The Termination Board is designed to complement the I/O termination panels and provide access to all HART information.

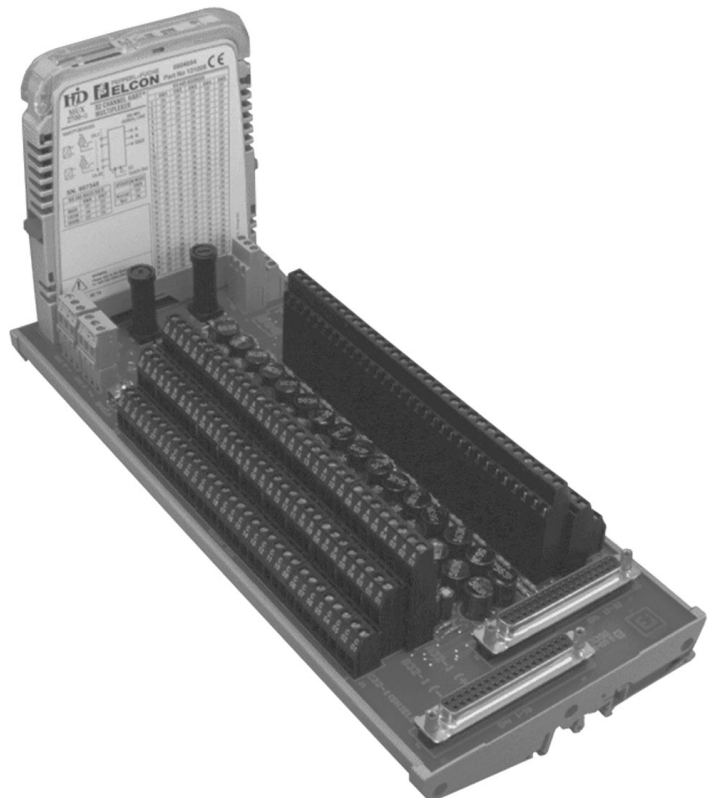
The Termination Board provides a robust solution for on-line HART communications, interfaces up to 32 field located HART devices, and it allows the user to retain standard DCS field termination panels. This ideal for retrofitting existing installations and maintains all existing hardware and field wiring.

The Termination Board also offers several variations including analog output filters, individual fused channels or a combination of both to meet your HART needs.

Connection



Composition



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Supply	
Rated voltage	20 ... 30 V DC
Fusing	100 mA , 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	-20 ... 55 °C (253 ... 328 K)
Relative humidity	5 ... 90 %, non-condensing
Mechanical specifications	
Core cross-section	2.5 mm ² (16 AWG)
Connection	field side: screw terminals control side: screw terminals/Sub-D socket 2 x 37-pin RS 485 interface: removable screw terminals power: removable screw terminals
Mass	approx. 700 g
Dimensions	without Mux2700: 300 x 127 x 72 mm (11.8 x 5 x 2.84 in) with Mux2700: 300 x 127 x 186 mm (11.8 x 5 x 7.3 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

Sub-D male connector, 37-pin, Pin numbers	Signal numbers	P1	P2
1	NC	unused	unused
2	1-	Channel 1-	Channel 17-
3	1+	Channel 1+	Channel 17+
4	3-	Channel 3-	Channel 19-
5	3+	Channel 3+	Channel 19+
6	5-	Channel 5-	Channel 21-
7	5+	Channel 5+	Channel 21+
8	7-	Channel 7-	Channel 23-
9	7+	Channel 7+	Channel 23+
10	9-	Channel 9-	Channel 25-
11	9+	Channel 9+	Channel 25+
12	11-	Channel 11-	Channel 27-
13	11+	Channel 11+	Channel 27+
14	13-	Channel 13-	Channel 29-
15	13+	Channel 13+	Channel 29+
16	15-	Channel 15-	Channel 31-
17	15+	Channel 15+	Channel 31+
18	NC	unused	unused
19	NC	unused	unused
20	NC	unused	unused
21	2-	Channel 2-	Channel 18-
22	2+	Channel 2+	Channel 18+
23	4-	Channel 4-	Channel 20-
24	4+	Channel 4+	Channel 20+
25	6-	Channel 6-	Channel 22-
26	6+	Channel 6+	Channel 22+
27	8-	Channel 8-	Channel 24-
28	8+	Channel 8+	Channel 24+
29	10-	Channel 10-	Channel 26-
30	10+	Channel 10+	Channel 26+
31	12-	Channel 12-	Channel 28-
32	12+	Channel 12+	Channel 28+
33	13-	Channel 13-	Channel 30-
34	13+	Channel 13+	Channel 30+
35	16-	Channel 16-	Channel 32-
36	16+	Channel 16+	Channel 32+
37	NC	unused	unused

Versions

- HPSM/32/TB-02 32 channels without HART filters
- HPSM/32/TB-02/FUSE 32 channels fused
- HPSM/32/TB-02/HF16 16 channels HART filters/ 16 without HART filters
- HPSM/32/TB-02/HF16/FUSE 16 channels with HART filters and fused
- HPSM/32/TB-02/HF32 32 channels with HART filters

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