6000 Series intrinsically safe termination board

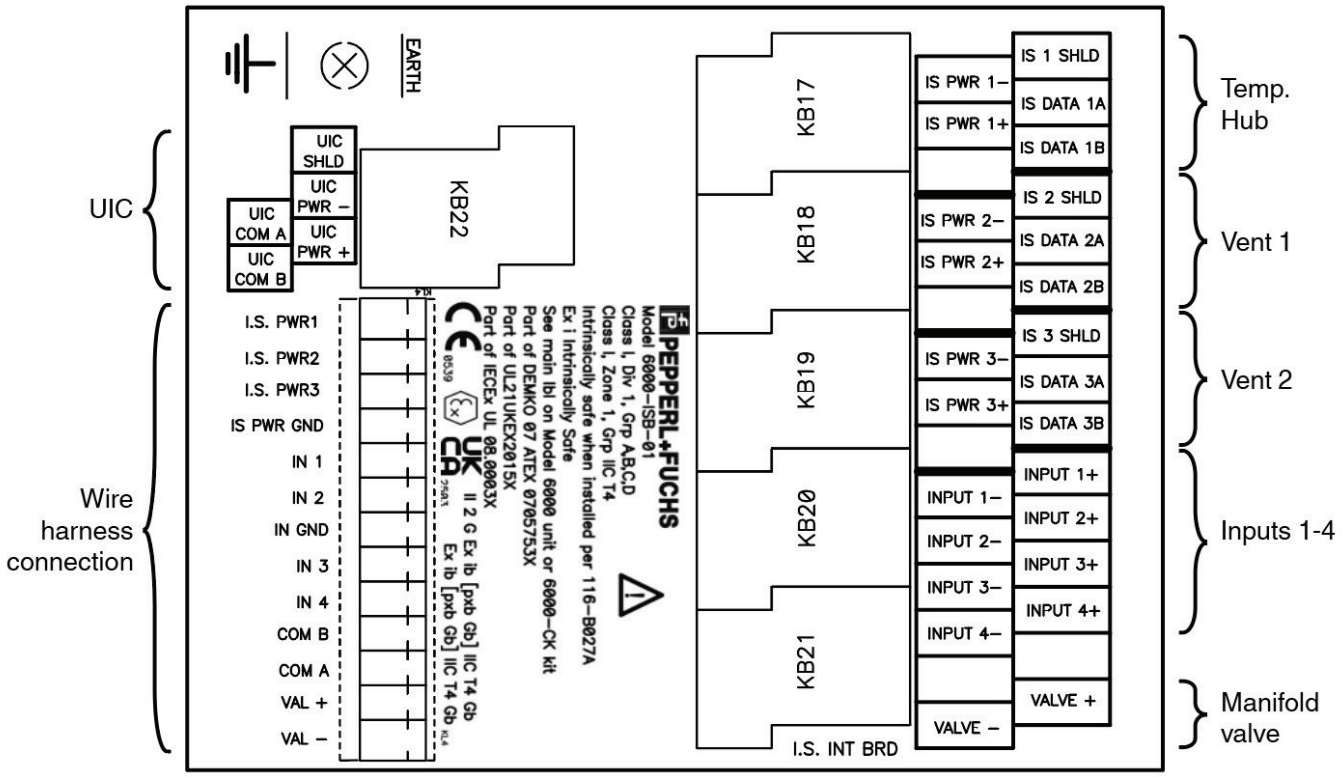
6000-ISB-01

- Interface for field connection back to EPCU
- DIN rail mounting
- Easy termination of connections
- Removable terminal on EPCU side

Function

The intrinsically safe termination board is DIN rail mountable within a pressurized enclosure or other suitable enclosure. The terminal board allows for interfacing of the vent(s), Temperature Hub, User-interface, manifold valve, and the 4 digital inputs from the field.
The board and its connection are intrinsically safe and should maintain proper distance from non-intrinsically safe wiring.
When mounted in a pressurized enclosure the board is only rated for hazardous gas atmosphere. However, if mounted in hazardous dust atmosphere a proper enclosure is required.

Connection



Technical Data

General specifications		
Series		6000 Series
System		Type X Purge ; Ex pxb Purge

Release date: 2025-02-12 Date of issue: 2025-02-12 Filename: 514507_eng.pdf

Technical Data

Electrical specifications		
Connection		Shield / ground: capacitively coupled to ground
Mechanical specifications		
Connection type		Screw Terminals Field devices: 0.13 - 2.08 mm² max (26 - 14 AWG) Torque 5-7 in-lb (0.6 to 0.8 Nm) Screw Terminals EPCU: 0.08 - 1.31 mm² (28 - 16 AWG) Torque 4 in-lb (0.5 Nm)
Degree of protection		IP20
Terminal assembly		
Terminal type		Field connection
Terminal capacity		Min: 24 AWG (0.2 mm²) Max: 12 AWG (3.3 mm²)
Mass		800 g
Dimensions		83 x 126 x 67 mm (3.3 inch x 5.0 inch x 2.6 inch)
Mounting		DIN rail mounting , 2 mounting clips
General information		
System information		Must be used with 6000 series purge system to meet certification requirements.

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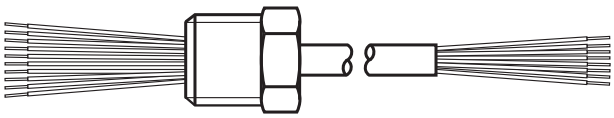
Connection

Connection (Optional)

I.S.PWR 1		BK
I.S.PWR 2		OR
I.S.PWR 3		GN
GND		WT
In 1		BK/WT
In 2		BL/WT
In GND		RD/WT
In 3		GN/WT
In 4		OR/BK
Com B		BL
Com A		RD
Val +		WT/BK
Val -		RD/BK

EPCU I.S. connector



BK		I.S.PWR 1
OR		I.S.PWR 2
GN		I.S.PWR 3
WT		GND
BK/WT		In 1
BL/WT		In 2
RD/WT		In GND
GN/WT		In 3
OR/BK		In 4
BL		Com B
RD		Com A
WT/BK		Val +
RD/BK		Val -

I.S. Termination board connector

Optional wire harness 6000-CBLA-ISB-* (not included)

Type Code

6	0	0	0	–	I	S	B	–	0	1

ISB Intrinsically safe termination board

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