



## 6000 Series intrinsically safe termination board

### 6000-ISB-01

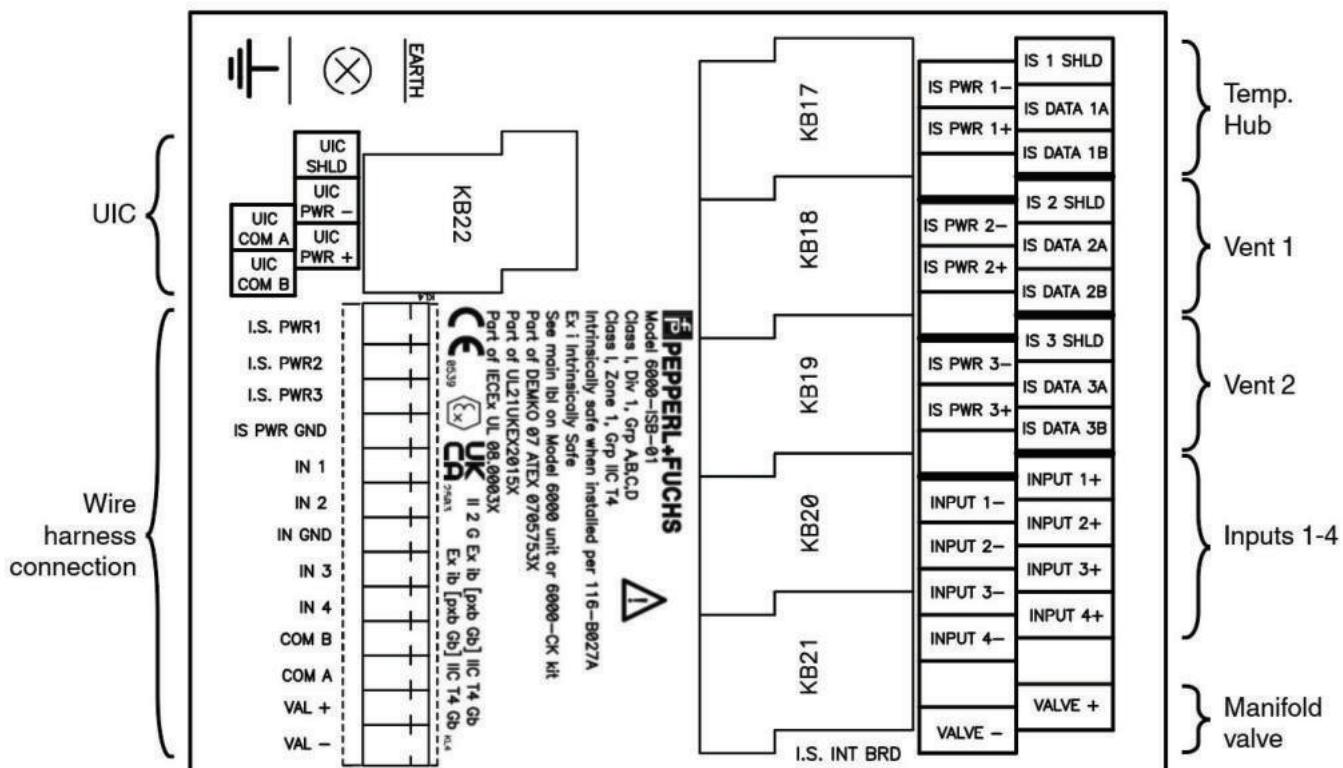
- Interface for field connection back to EPCU
- DIN rail mounting
- Easy termination of connections
- Removable terminal on EPCU side



### 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

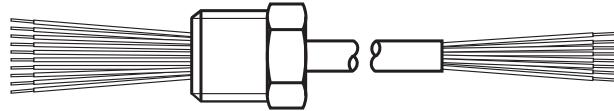
## Technical Data

Electrical specifications	
Connection	Shield / ground: capacitively coupled to ground
Mechanical specifications	
Connection type	Screw Terminals Field devices: 0.13 - 2.08 mm <sup>2</sup> max (26 - 14 AWG) Torque 5-7 in-lb (0.6 to 0.8 Nm) Screw Terminals EPCU: 0.08 - 1.31 mm <sup>2</sup> (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 mm <sup>2</sup> ) Max: 12 AWG (3.3 mm <sup>2</sup> )
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.

## 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



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 -

EPCU I.S. connector

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