

## Temperature hub

### 6000-TEMP-01

- Allows for temperature sensing to automatically initiate cooling or heating of enclosure
- Intrinsically safe and loop powered with the 6000 Series control unit
- Suitable for Zone 1 and Division 1 mounting
- Four temperature points per hub
- Temperature control for purged/pressurized enclosures

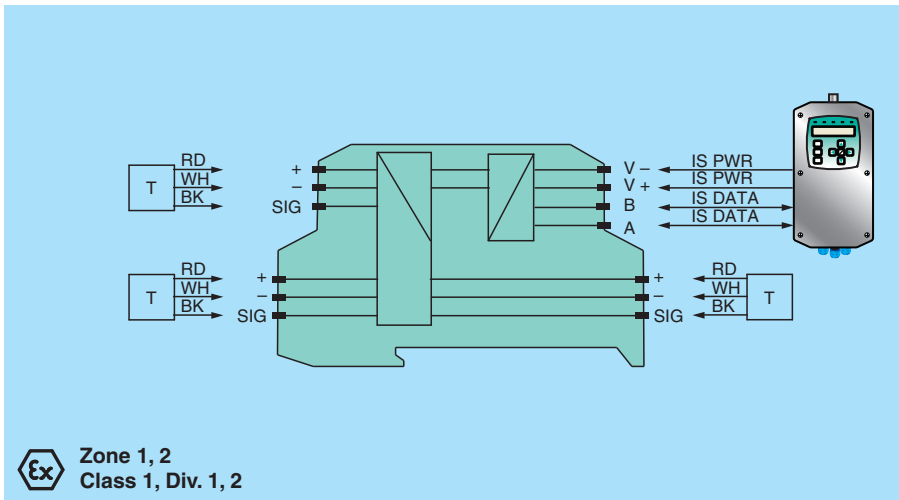
Temperature Hub for 6000 Series Purge system



### Function

The 6000-TEMP-01 is intrinsically safe when connected to the control unit and will provide intrinsically safe connections for up to three (3) 6000-TSEN-01 temperature sensors. The 6000-TEMP-01 has one embedded temperature sensor for a single point temperature function. The 6000-TEMP-01 can only be used with the 6000 Series control unit and cannot be used as a standalone device. This unit can be mounted in Zone 1 and Class I / Division 1 locations but must be protected in Zone 21 and Class II / Division 1 locations.

### Connection



Release date: 2022-05-04 Date of issue: 2022-05-04 Filename: 516014\_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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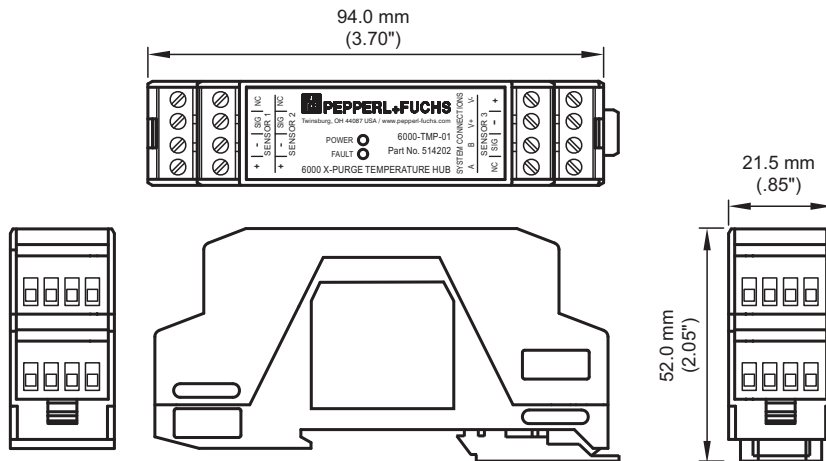
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## Dimensions



## Technical Data

### Electrical specifications

Connection		
Power		Intrinsically Safe back to 6000 control unit
Signal		BUS back to 6000 control unit
Connection		
		Intrinsically Safe cabling
Rated voltage	$U_r$	13 V DC
Rated current	$I_r$	max. 10 mA
Distance		20 m to 6000 Control Unit

### Ambient conditions

Ambient temperature		-20 ... 85 °C (-4 ... 185 °F)
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)
Relative humidity		< 95 % non-condensing
Vibration resistance		1 g / 58 ... 150 Hz
Impact resistance		15 g, 11 ms

### Mechanical specifications

Connection type		screw terminals
Core cross section		12 ... 30 AWG
Housing material		Akulon S225-KS
Degree of protection		IP20
Mass		approx. 110 g
Dimensions		99 mm x 52 mm x 23 mm
Mounting		panel or DIN rail mounting

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**Technical Data****Data for application in connection with hazardous areas**

EU-type examination certificate	UL/Demko 07 ATEX 0705753X
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**International approvals**

UL approval	File no: E184741
cULus	File no: E184741
IECEX approval	IECEX UL 08.0003X