



BEBCO EPS®

Temperature Hub for 6000 Series Purge system

Features

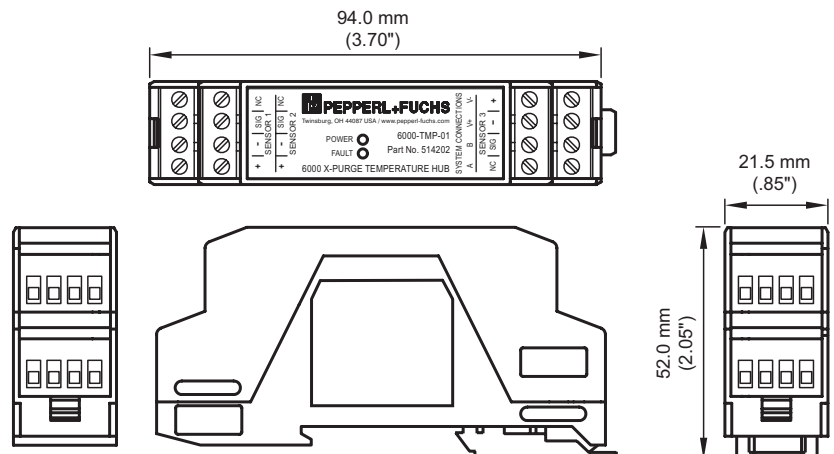
- Allows for temperature sensing to automatically initiate cooling or heating of enclosure
- Intrinsically safe and loop powered with the 6000 Series control unit
- Suitable for Zone 1 and Division 1 mounting
- Four temperature points per hub
- Temperature control for purged/pressurized enclosures

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.

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_n	13 V DC
Rated current	I_n	≤ 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

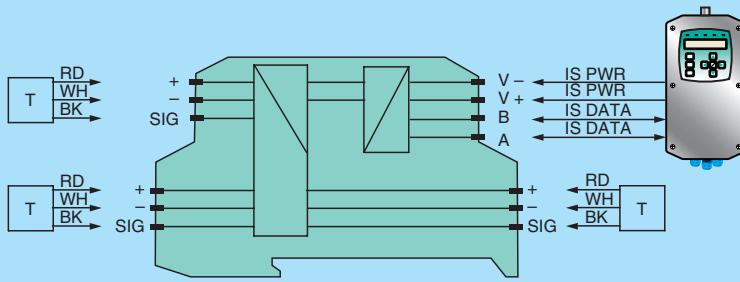
Data for application in connection with Ex-areas

EC-Type Examination Certificate	SIRA 09 ATEX 9337X
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International approvals

UL approval	File no: E184741
cULus	File no: E184741
IECEX approval	IECEX CSA 09.0007X

Electrical connection



Ex Zone 1, 2
Class 1, Div. 1, 2