Inline terminal - IB IL EX-IS TEMP 4 RTD/TC-PAC - 2869913

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Inline intrinsically safe temperature terminal, 4 configurable input channels, complete with accessories

Product Features

- Fieldbus-independent diagnostics using FDT/DTM technology
- Module-based electrical isolation
- RTD inputs: Pt 100, etc.
- 2 or 3-wire RTD sensors
- Single-channel diagnostics
- 4 configurable I/O channels
- TC inputs: J, K, E, etc.

Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	227.0 g
Custom tariff number	85389091
Country of origin	United States

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area

Dimensions

Width	48.8 mm
Height	136.8 mm
Depth	71.5 mm

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Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Permissible humidity (operation)	10 % ... 95 % (according to DIN EN 61131-2)
Air pressure (operation)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Degree of protection	IP20

General

Mounting type	DIN rail
Net weight	222 g

Interfaces

Fieldbus system	Lokalbus
Designation	Inline local bus
Connection method	Inline data jumper
Transmission speed	500 kBit/s

Inline potentials

Supply for main circuit U_{Ex}	28 V DC
Current consumption from U_{Ex}	max. 80 mA
Communications power U_L	5 V DC (via voltage jumper)
Current consumption from U_L	max. 50 mA

Analog inputs

Voltage input signal	-15 mV ... 85 mV
Number of inputs	4
Connection method	Inline shield connector
	2, 3-wire
Sensor types (RTD) that can be used	2 and 3-wire, Pt, Ni (DIN 100, 200, 500, 1000)
Sensor types that can be used (TC)	J, K, E, R, S, T
Linear resistance measuring range	0 Ω ... 800 Ω
	0 Ω ... 5000 Ω
Resolution A/D	16 bit (15 bit + sign bit)
Protective circuit	Polarity protection, surge protection
Data formats	IB IL, S7-compatible

Standards and Regulations

Group	IIC (A, B)
	IIB (C)
	IIA (D)
ATEX	# II 3(1)GD Ex nA [ia Ga Da] IIC T4 Gc Sira 09ATEX2339X

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Standards and Regulations

IECEx	Ex nA [ia Ga Da] IIC T4 Gc IECEx SIR 10.0033X
UL, USA	Class I, Div. 2, Groups A, B, C, D

Classifications

eCl@ss

eCl@ss 4.0	27240405
eCl@ss 4.1	27240405
eCl@ss 5.0	27242201
eCl@ss 5.1	27242601
eCl@ss 6.0	27242601
eCl@ss 7.0	27242601
eCl@ss 8.0	27242601

ETIM

ETIM 3.0	EC001596
ETIM 4.0	EC001596
ETIM 5.0	EC001596

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

Drawings

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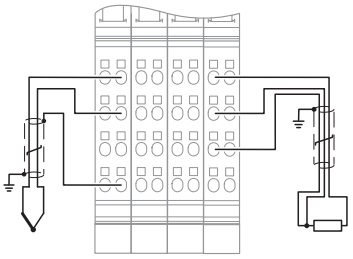
Connection diagram



Dimensional drawing