

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




Your advantages

- ✓ 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
GTIN	 4 046356 470179
GTIN	4046356470179

Technical data

Dimensions

Width	48.8 mm
Height	136.8 mm
Depth	71.5 mm

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

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Technical data

Ambient conditions

	IP20
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General

Mounting type	DIN rail
Color	blue
Net weight	222 g

Interfaces

Designation	Inline local bus
Connection method	Inline data jumper
Transmission speed	500 kbps

Inline potentials

Designation	Communications power (U _L)
Supply voltage	5 V DC (via voltage jumper)
Current consumption	max. 50 mA
Supply voltage	28 V DC
Current consumption	max. 80 mA
Power consumption	1.5 W (all channels)

Analog inputs

Voltage input signal	-15 mV ... 85 mV
Number of inputs	4
Connection method	Inline shield connector
Connection technology	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
A/D converter resolution	16 bit (15 bit + sign bit)
Type of protection	Polarity protection, surge protection
Data formats	IB IL, S7-compatible

Standards and Regulations

Group	IIC (A, B)
	IIB, [IIIC, IIIB] (C, E, F, G)
	IIA (D)
ATEX	# II 3(1)GD Ex nA [ia Ga Da] IIC T4 Gc Sira 09ATEX2339X
IECEX	Ex nA [ia Ga Da] IIC T4 Gc IECEX SIR 10.0033X
UL, USA/Canada	Class I, Div. 2, Groups A, B, C, D

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
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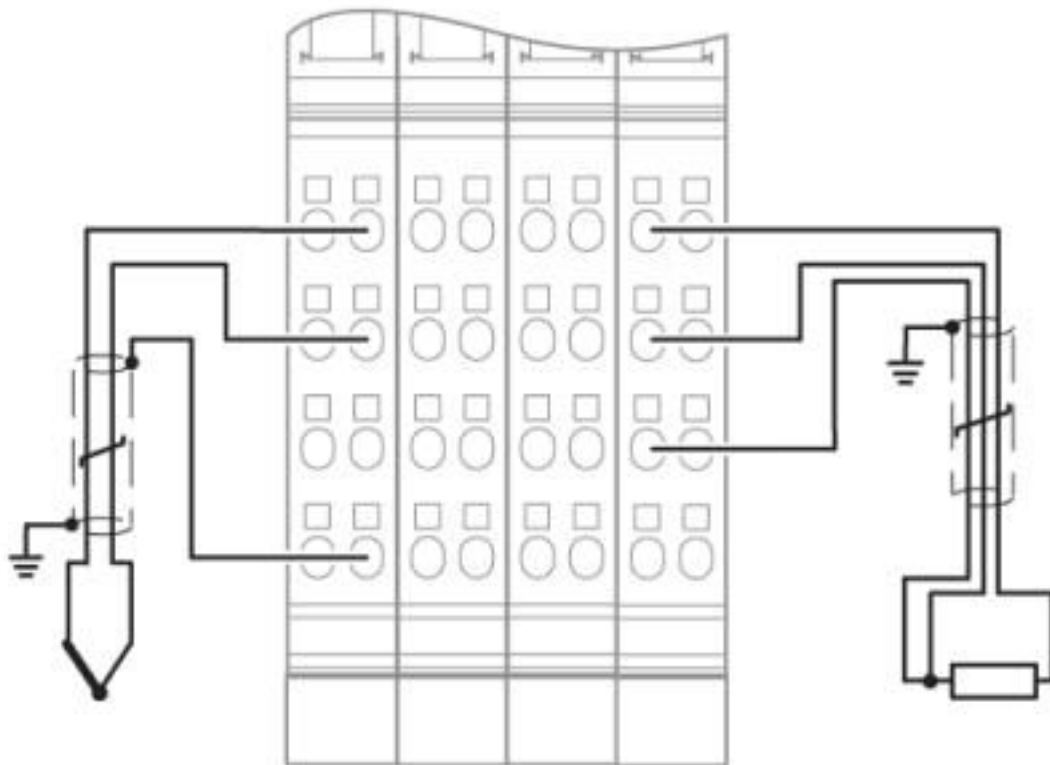
Technical data

Environmental Product Compliance

	No hazardous substances above threshold values
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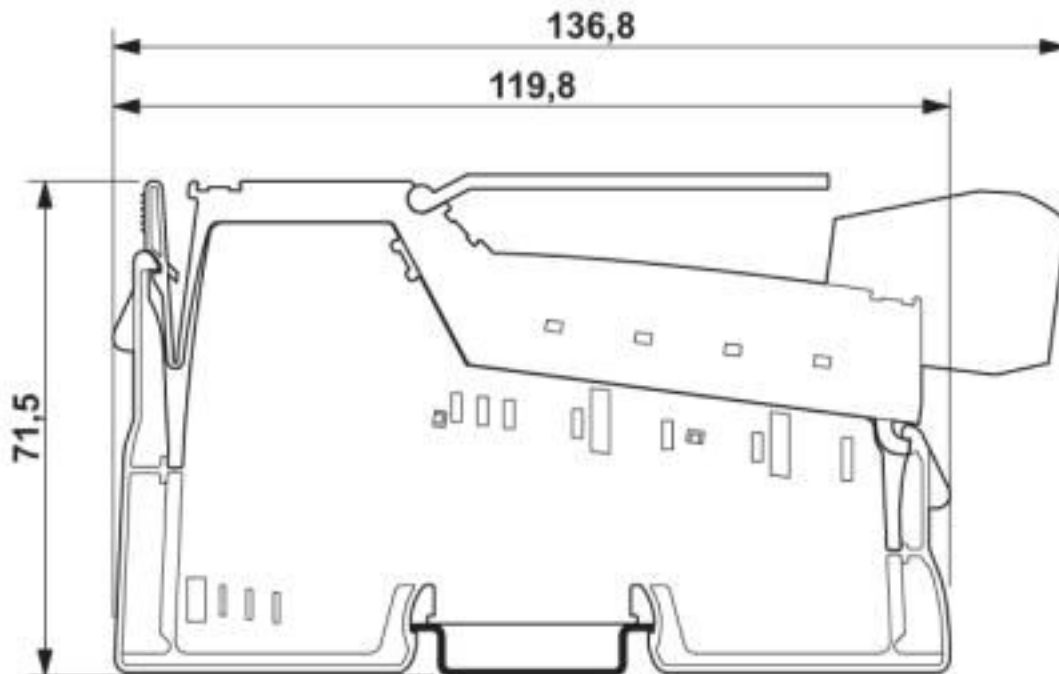
Drawings

Connection diagram



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Dimensional drawing



Classifications

eCl@ss

eCl@ss 10.0.1	27242601
eCl@ss 4.0	27240400
eCl@ss 4.1	27240400
eCl@ss 5.0	27242200
eCl@ss 5.1	27242600
eCl@ss 6.0	27242600
eCl@ss 7.0	27242601
eCl@ss 8.0	27242601
eCl@ss 9.0	27242601

ETIM

ETIM 3.0	EC001596
ETIM 4.0	EC001596
ETIM 5.0	EC001596
ETIM 6.0	EC001596
ETIM 7.0	EC001596

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015

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Classifications

UNSPSC

UNSPSC 12.01	43201404
UNSPSC 13.2	32151602
UNSPSC 18.0	32151602
UNSPSC 19.0	32151602
UNSPSC 20.0	32151602
UNSPSC 21.0	32151602

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