

## 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
Weight per Piece (excluding packing)	222.000 g
Custom tariff number	85389099
Country of origin	United States

### 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

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## Technical data

### Ambient conditions

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
	IP20

### 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 <sub>L</sub> )
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 [ja Ga Da] IIC T4 Gc Sira 09ATEX2339X
IECEX	Ex nA [ja Ga Da] IIC T4 Gc IECEx SIR 10.0033X
UL, USA/Canada	Class I, Div. 2, Groups A, B, C, D

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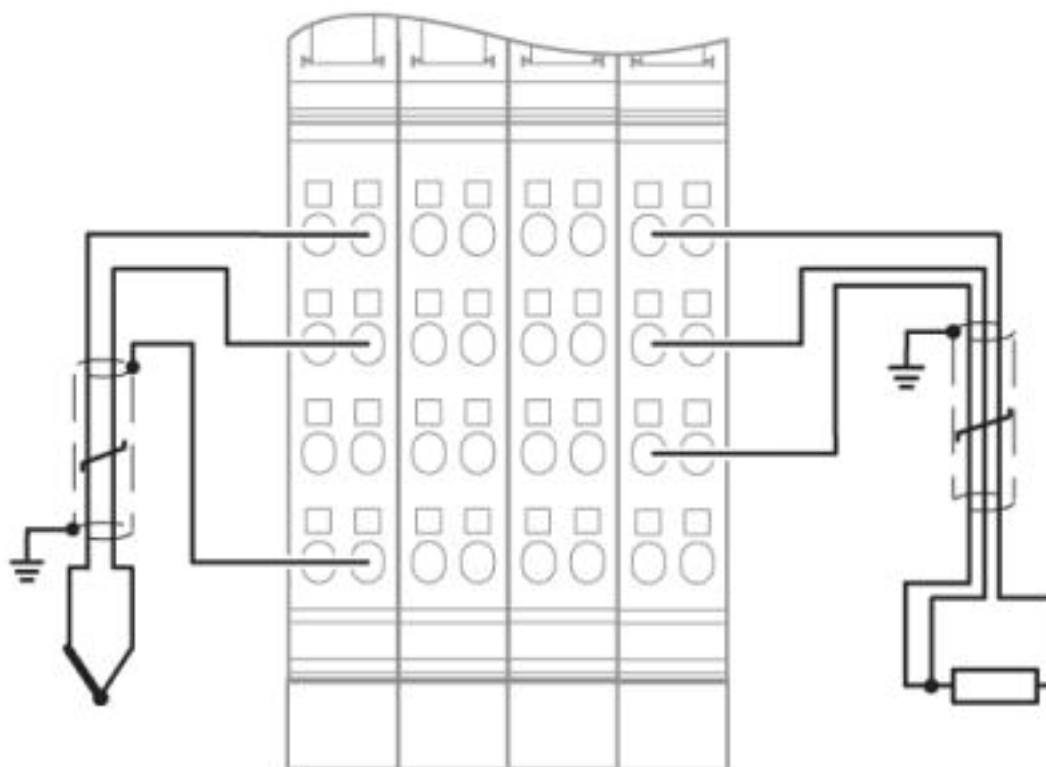
## Technical data

### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

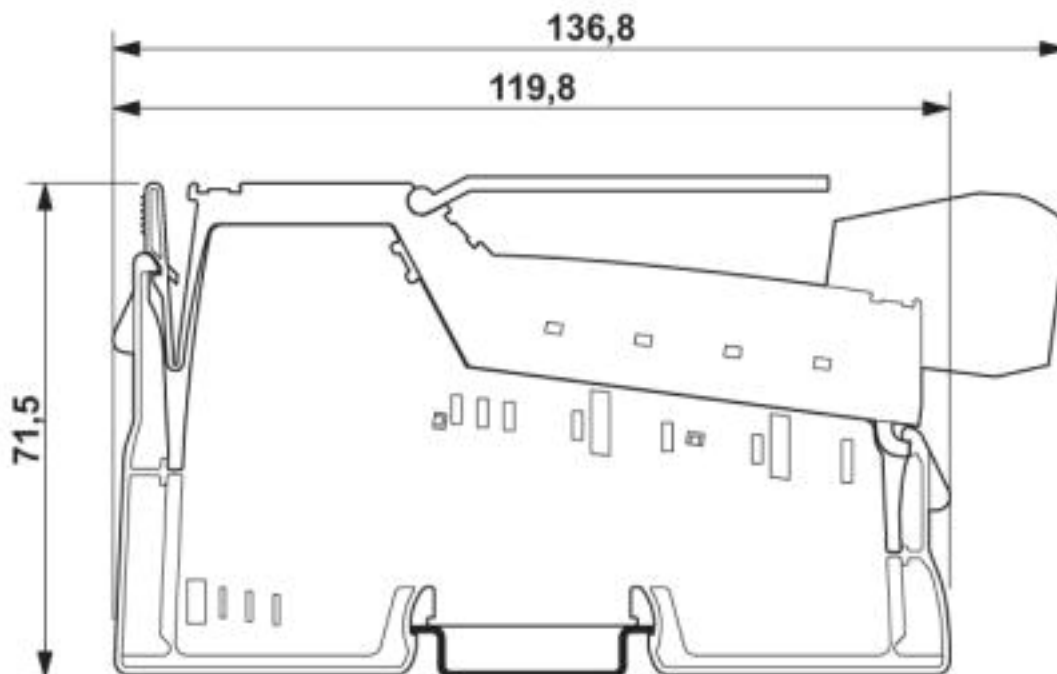
## Drawings

Connection diagram



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Dimensional drawing



### Classifications

#### eCl@ss

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
UNSPSC 12.01	43201404

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### Classifications

#### UNSPSC

UNSPSC 13.2	32151602
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