

Inline terminal - IB IL AI/TEMP 4 RTD-XC-PAC - 2701165

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Inline XC, Analog input terminal, transmission speed in the local bus: 500 kbps, Extreme conditions version, degree of protection: IP20, including Inline connector and labeling field

The figure shows the standard item

Product Description

The terminal is designed for use within an Inline station.

The terminal has four inputs that can be configured independently of one another for measuring voltages or resistances or for RTDs.

The sensors are connected using 2-conductor technology, so that a nominal resistance of at least 1000 Ω is recommended when sensors with a relatively small temperature coefficient (e.g., platinum sensors) are used.

Resistance measurement with conversion into temperature values can be used for temperature measurement with NTC resistors. The advantage of these resistors is their large temperature coefficient.

Thanks to special engineering measures and tests, the terminal can be used under extreme ambient conditions.

Your advantages

- Voltage inputs 0 V ... 10 V
- Inputs for temperature measurements
- Connection of sensors in 2-conductor technology
- Diagnostic and status indicators
- Can be used under extreme ambient conditions
- Extended temperature range of -40 °C ... +70 °C (see "Tested successfully: use under extreme ambient conditions" in the data sheet)
- Coated PCBs



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 716895
GTIN	4046356716895
Custom tariff number	85389091
Country of origin	Germany

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Technical data

Dimensions

Width	12.2 mm
Height	140.5 mm
Depth	71.5 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C (Standard)
	-40 °C ... 70 °C (Extended, see section "Tested successfully: use under extreme ambient conditions" in the data sheet.)
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	10 % ... 95 % (according to DIN EN 61131-2)
Permissible humidity (storage/transport)	10 % ... 95 % (according to DIN EN 61131-2)
Air pressure (operation)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Degree of protection	IP20

General

Mounting type	DIN rail
Color	green
Net weight	68 g
Note on weight specifications	with connector

Interfaces

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

Inline potentials

Designation	Communications power (U_L)
Current consumption	max. 65 mA

Analog inputs

Limit frequency (3 dB)	6.6 Hz
Data formats	IB IL, IB ST, standardized representation, S7 compatible
Measured value resolution	16 bits (15 bits + sign bit)
Filtering	None or mean-value generation over 8 or 32 measured values
Input filter time	150 ms

Standards and Regulations

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
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Technical data

Environmental Product Compliance

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

Classifications

eCl@ss

eCl@ss 10.0.1	27242601
eCl@ss 11.0	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 9.0	27242601

ETIM

ETIM 3.0	EC001599
ETIM 4.0	EC001599
ETIM 6.0	EC001596
ETIM 7.0	EC001596

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	32151602
UNSPSC 18.0	32151602
UNSPSC 19.0	32151602
UNSPSC 20.0	32151602
UNSPSC 21.0	32151602

Accessories

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Labeling panel

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Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



Terminal marking

Insert strip - ESL 62X10 - 0809492

Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems: Laser printer, mounting type: insert, lettering field size: 62 x 10 mm, Number of individual labels: 72

