

Inline terminal - IB IL AI 2/4-20-PAC - 2862217

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Terminal with two analog inputs

Product Description

The terminal is designed for use within an Inline station. It serves to measure voltage or current signals.

Features

- Two analog single-ended signal inputs for the connection of either voltage or current signals
- Connection of the sensors using the 2 or 3-wire system
- Three current measuring ranges: 0 mA to 20 mA, ± 20 mA, 4 mA to 20 mA
- Two voltage measuring ranges: 0 V to 10 V, ± 10 V
- Presetting of both channels to measuring range of 4 mA to 20 mA
- Configuration of the channels independently of one another via INTERBUS
- Measured values can be displayed in four different formats

Product Features

- 2 analog single-ended signal inputs for the connection of either voltage or current signals
- Connection of sensors in 2 and 3-wire technology
- Current ranges: 0 mA ... 20 mA, 4 mA ... 20 mA, ± 20 mA
- Measured values can be represented in four different formats
- Voltage ranges: 0 V ... 10 V, ± 10 V

Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	100.0 g
Custom tariff number	85389091
Country of origin	Germany

Technical data

Note

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

Width	12.2 mm
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Technical data

Dimensions

Height	136.8 mm
Depth	71.5 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °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
Net weight	47 g

Interfaces

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

Inline potentials

Communications power U_L	7.5 V DC
Current consumption from U_L	max. 60 mA
	typ. 45 mA
I/O supply voltage U_{ANA}	24 V DC
Current consumption from U_{ANA}	max. 18 mA
	typ. 13.5 mA

Analog inputs

Description of the input	Single-ended inputs, voltage or current
Input name	Analog inputs
Number of inputs	2
Connection method	Inline shield connector
	2-wire (shielded)
Current input signal	0 mA ... 20 mA
	4 mA ... 20 mA
	-20 mA ... 20 mA

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Technical data

Analog inputs

Voltage input signal	0 V ... 10 V
	-10 V ... 10 V

Standards and Regulations

Connection in acc. with standard	CUL
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

Classifications

eCl@ss

eCl@ss 4.0	27250303
eCl@ss 4.1	27250303
eCl@ss 5.0	27250303
eCl@ss 5.1	27242601
eCl@ss 6.0	27242601
eCl@ss 7.0	27242601
eCl@ss 8.0	27242601

ETIM

ETIM 2.0	EC001431
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

Approvals

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UL Recognized / cUL Recognized / EAC / cULus Recognized


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Approvals

Ex Approvals


Approvals submitted

Approval details

UL Recognized 

cUL Recognized 

EAC

cULus Recognized  US