

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

package_quantity	1
GTIN	4017918910044

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
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)

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Technical data

Ambient conditions

Degree of protection	IP20
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General

Weight	47 g
Mounting type	DIN rail
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

Interfaces

Fieldbus system	Lokalbus
Name	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
Current consumption from U_L	typ. 45 mA
I/O supply voltage U_{ANA}	24 V DC
Current consumption from U_{ANA}	max. 18 mA
Current consumption from U_{ANA}	typ. 13.5 mA

Analog inputs

Number of inputs	max. 2 (single ended)
Connection method	Inline shield connector
Connection method	2-wire (shielded)
Input name	Analog inputs
Current input signal	0 mA ... 20 mA
Current input signal	4 mA ... 20 mA
Current input signal	-20 mA ... 20 mA
Voltage input signal	0 V ... 10 V
Voltage input signal	-10 V ... 10 V
Number of inputs	4 (single-ended voltage inputs)
Voltage input signal	0 V ... 10 V
Voltage input signal	-10 V ... 10 V
Number of inputs	4 (single-ended current inputs)
Current input signal	0 mA ... 20 mA
Current input signal	4 mA ... 20 mA
Current input signal	-20 mA ... 20 mA

classifications

eCl@ss

eCl@ss 4.0	27250303
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classifications

eCl@ss

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

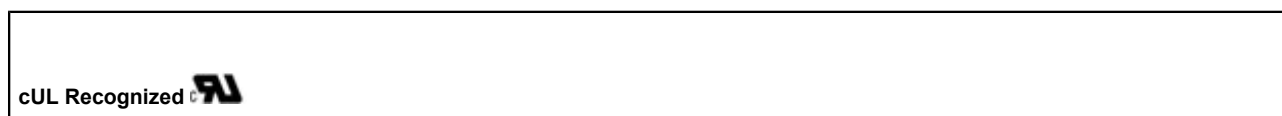
UNSPSC

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

approvals

UL Recognized / cUL Recognized / cULus Recognized /

Approval details



accessories

Plug

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accessories

IB IL SCN 6-SHIELD-TWIN - 2740245



IB IL SCN-6 SHIELD - 2726353



Labeling panel

IB IL FIELD 2 - 2727501



Terminal marking

ESL 62X10 - 0809492



Drawings

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