

Inline terminal - IB IL AI 2/4-20



2860442

<https://www.phoenixcontact.com/us/products/2860442>

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INTERBUS Inline terminal with two analog input channels



Product Description

The terminal is designed for use within an Inline station. It is used to acquire analog voltage and current signals. Features - Two analog single-ended signal inputs for the connection of either voltage or current signals - Connection of sensors in 2 and 3-conductor technology - 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 - Both channels preset to the 4 mA to 20 mA measuring range - Channels are configured independently of one another via INTERBUS - Measured values can be represented in four different formats

Commercial Data

Item number	2860442
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	00
Product Key	DRI141
GTIN	4017918877507
Weight per Piece (including packing)	67.1 g
Weight per Piece (excluding packing)	52.79 g
Customs tariff number	85389091
Country of origin	DE

Technical Data

Product properties

Type	modular
	Inline

Electrical properties

Potentials: Communications power (U_L)

Supply voltage	7.5 V DC (via voltage jumper)
Current draw	max. 60 mA
	typ. 45 mA

Potentials: Supply of analog modules (U_{ANA})

Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current draw	max. 18 mA
	typ. 13.5 mA

Input data

Analog

Input name	Analog inputs
Number of inputs	max. 2 (single ended)
Connection technology	2-conductor (shielded)
Current input signal	0 mA ... 20 mA
	4 mA ... 20 mA
	-20 mA ... 20 mA
Voltage input signal	0 V ... 10 V
	-10 V ... 10 V

Analog

Number of inputs	4 (Single-ended voltage inputs)
Voltage input signal	0 V ... 10 V
	-10 V ... 10 V

Analog

Number of inputs	4 (single-ended current inputs)
Current input signal	0 mA ... 20 mA
	4 mA ... 20 mA
	-20 mA ... 20 mA

Connection data

Connection data of connector

Connection method	Spring-cage connection
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Conductor cross section, rigid	0.08 mm² ... 1.5 mm²
Conductor cross section, flexible	0.08 mm² ... 1.5 mm²
Conductor cross section AWG	28 ... 16

Interfaces

Inline local bus

No. of channels	2
Connection method	Inline data jumper
Transmission speed	500 kBaud
Transmission physics	Copper

System properties

Module

ID code (hex)	127
Register length	32 Bit
Required parameter data	6 Byte

Dimensions

Width	12.2 mm
Height	119.8 mm
Depth	71.5 mm

Material specifications

Color	green
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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Degree of protection	IP20
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)
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)

Standards and regulations

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

Mounting type	DIN rail
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Accessories

Inline shield connector

Inline shield connector - IB IL SCN 6-SHIELD-TWIN - 2740245

<https://www.phoenixcontact.com/us/products/2740245>

Inline shield connector



Labeling field

Labeling field - IB IL FIELD 2 - 2727501

<https://www.phoenixcontact.com/us/products/2727501>

Labeling field, width: 12.2 mm



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Insert strip

Insert strip - ESL 62X10 - 0809492

<https://www.phoenixcontact.com/us/products/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



Inline shield connector

Inline shield connector - IB IL SCN-6 SHIELD - 2726353

<https://www.phoenixcontact.com/us/products/2726353>

Inline shield connector



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