

Analog module - IB IL AI/TEMP 4 RTD-PAC



2897952

<https://www.phoenixcontact.com/gb/products/2897952>

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Inline, Analog input terminal, 0 V ... 10 V, degree of protection: IP20, including Inline connectors and marking fields



Product Description

The terminal is designed for use within an Inline station.

Your advantages

- Voltage inputs 0 V ... 10 V
- Inputs for temperature measurements
- Connection of sensors in 2-conductor technology
- Diagnostic and status indicators

Commercial Data

Item number	2897952
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	DRHABA
Product Key	DRHABA
GTIN	4046356331739
Weight per Piece (including packing)	89.2 g
Weight per Piece (excluding packing)	68 g
Customs tariff number	85389099
Country of origin	DE

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Technical Data

Dimensions

Width	12.2 mm
Height	140.5 mm
Depth	71.5 mm

Notes

Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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Material specifications

Color	green
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Interfaces

Inline local bus

Connection method	Inline data jumper
Transmission speed	500 kbps
Transmission physics	Copper

System properties

Module

ID code (dec.)	95
ID code (hex)	5F
Length code (hex)	02
Length code (dec)	02
Process data channel	32 Bit
Input address area	4 Byte
Output address area	4 Byte
Register length	32 Bit
Required parameter data	1 Byte
Required configuration data	5 Byte

Input data

Analog

Voltage input signal	0 V ... 10 V
Data formats	IB IL, IB ST, standardized representation, S7 compatible
Filtering	None or mean-value generation over 8 or 32 measured values
Limit frequency (3 dB)	6.6 Hz
Measured value resolution	16 bits (15 bits + sign bit)

Analog

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Input filter time	150 ms
	1200 ms
	4800 ms (adjustable)
Linear resistance measuring range	0 Ω ... 3 k Ω
	0 Ω ... 300 k Ω

Product properties

Type	modular
Product type	I/O component
Scope of delivery	including Inline connectors and marking fields

Electrical properties

Potentials: Communications power (U_L)

Current draw	max. 65 mA
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Connection data

Connection technology

Connection name	Inline connector
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Conductor connection

Connection method	Spring-cage connection
Conductor cross section solid	0.08 mm ² ... 1.5 mm ²
Conductor cross section flexible	0.08 mm ² ... 1.5 mm ²
Conductor cross section AWG	28 ... 16
Stripping length	8 mm

Inline connector

Connection method	Spring-cage connection
Conductor cross section, rigid	0.08 mm ² ... 1.5 mm ²
Conductor cross section, flexible	0.08 mm ² ... 1.5 mm ²
Conductor cross section AWG	28 ... 16
Stripping length	8 mm

Environmental and real-life conditions

Ambient conditions

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 mounting

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Classifications

ECLASS

ECLASS-9.0	27242601
ECLASS-10.0.1	27242601
ECLASS-11.0	27242601
ECLASS-12.0	27242601

ETIM

ETIM 8.0	EC001596
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UNSPSC

UNSPSC 21.0	32151600
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PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk