IB IL AI 2/SF-PAC/10 - Inline terminal

2897839

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CRA-READY

Inline, Analog input terminal, Analog inputs: 2, 0 V ... 10 V, -10 V ... 10 V, 0 mA ... 20 mA, 4 mA ... 20 mA, -20 mA ... 20 mA, connection technology: 2-conductor, transmission speed in the local bus: 500 kbps, degree of protection: IP20, including Inline connector and labeling field; The product is being prepared for compliance with the Cyber Resilience Act (CRA).

Product description

The terminal is designed for use within an Inline station. It is used to acquire analog voltage and current signals.

Commercial data

Item number	2897839
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	DR19
Product key	DRI141
GTIN	4046356138901
Weight per piece (including packing)	78.4 g
Weight per piece (excluding packing)	69 g
Customs tariff number	85389091
Country of origin	DE

Technical data

Notes

Note on application

Note on application	Only for industrial use
Note on application	As things stand now, we are preparing the product so that, as of December 11, 2027, it will comply with the requirements of the EU Cyber Resilience Act (CRA) based on the information currently available regarding the CRA.

Mounting

Mounting type	DIN rail mounting

Material specifications

Color (Housing)	green (RAL 6021)

Interfaces

Inline local bus

Transmission speed	500 kbps
Transmission physics	Copper

Input data

Analog:

Input name	Analog inputs
Description of the input	Single-ended inputs, voltage or current
Number of inputs	2
Connection method	Inline shield connector
Connection technology	2-conductor
Note regarding the connection technology	shielded
Process data update	< 1.5 ms
A/D conversion time	approx. 120 µs (per channel)
A/D converter resolution	16 bit
Limit frequency (3 dB)	40 Hz
Wire-break behavior	goes to 0 V, 0 mA or 4 mA
Measuring principle	Successive approximation
Measured value resolution	16 bits (15 bits + sign bit)
Measured value representation	16 bit two's complement
Data formats	IB IL, IB ST, IB RT, standardized representation
Current input signal	0 mA ... 20 mA
	4 mA ... 20 mA
	-20 mA ... 20 mA
Input resistance current input	50 Ω
Voltage input signal	0 V ... 10 V

	-10 V ... 10 V
Input resistance of voltage input	> 220 kΩ
Tolerance, relative	0.02 %

Product properties

Product type	I/O component
Product family	Inline
Type	modular
Scope of supply	including Inline connector and labeling field
Special properties	The product is being prepared for compliance with the Cyber Resilience Act (CRA)

Electrical properties

Maximum power dissipation for nominal condition	1.87 W

Connection data

Connection technology

Connection name	Inline connector

Inline connector

Connection method	Spring-cage connection
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
Stripping length	8 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20

Classifications

ECLASS

ECLASS-13.0	27242601
ECLASS-15.0	27242601

ETIM

ETIM 10.0	EC001596

UNSPSC

UNSPSC 21.0	32151600

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(a)-I, 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)

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