2861661

https://www.phoenixcontact.com/us/products/2861661



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Inline, Analog input terminal, Analog inputs: 8, 0 mA ... 20 mA, 4 mA ... 20 mA, -20 mA ... 20 mA, 0 mA ... 40 mA, -40 mA ... 40 mA, connection technology: 2-, 3-conductor, transmission speed in the local bus: 500 kbps, integrated sensor supply, degree of protection: IP20, including Inline connectors and marking fields

Product Description

The terminal is designed for use within an Inline station.

Your advantages

- · High measuring accuracy
- · Excellent interference suppression and common mode rejection
- · Integrated short-circuit-proof sensor supply
- · Overload-protected current inputs

Commercial Data

Item number	2861661
Packing unit	1 рс
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	C21
Product Key	DRI141
Catalog Page	Page 135 (C-6-2019)
GTIN	4017918894504
Weight per Piece (including packing)	250.9 g
Weight per Piece (excluding packing)	125 g
Customs tariff number	85389099
Country of origin	DE

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Technical Data

Dimensions

Dimensional drawing	
Width	48.8 mm
Height	136.8 mm
Depth	71.5 mm

Material specifications

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Interfaces

Inline local bus

Number of interfaces	2
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	6 Byte
Required configuration data	5 Byte

Input data

Analog	
Input name	Analog inputs
Description of the input	Single-ended inputs, current
Number of inputs	8

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A/D conversion time	approx. 10 µs
Connection method	Inline shield connector
Connection technology	2-, 3-conductor
Note regarding the connection technology	shielded
Current input signal	0 mA 20 mA
	4 mA 20 mA
	-20 mA 20 mA
	0 mA 40 mA
	-40 mA 40 mA
Input resistance current input	25 Ω 0.01 %
Data formats	IBS IL, IBS ST, IBS RT, standardized representation, PIO format
Limit frequency (3 dB)	3.5 kHz
Measuring principle	Successive approximation
Measured value resolution	16 bits (15 bits + sign bit)
Measured value representation	16 bit two's complement

Product properties

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

Electrical properties

Maximum power dissipation for nominal condition	7.2 W
otentials: Communications power (U _L)	
Supply voltage	7.5 V DC (via voltage jumper)
Current draw	max. 65 mA
	typ. 52 mA
otentials: Supply of analog modules (U _{ANA}) Supply voltage	24 V DC
	24 V DC
Supply voltage	

Supply voltage	24 V DC (via voltage jumper)
Supply voltage range	19.2 V DC 30 V DC (including all tolerances, including ripple)
Current draw	max. 200 mA
	0 A

Connection data

Connection technology	
Connection name	Inline connector
Conductor connection	

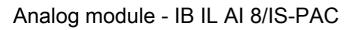


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Connection method	Chrine ages connection
Connection method	Spring-cage connection
Conductor cross section solid	0.08 mm ² 1.5 mm ²
Conductor cross section flexible	0.08 mm ² 1.5 mm ²
Conductor cross section AWG	28 16
Stripping length	8 mm
Inline connector	
Connection method	Spring-cage connection
Conductor cross section, rigid	0.08 mm ² 1.5 mm ²
Stripping length	8 mm
mbient 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)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)
Air pressure (storage/transport) Ambient temperature (storage/transport)	70 kPa 106 kPa (up to 3000 m above sea level) -25 °C 85 °C
Air pressure (storage/transport) Ambient temperature (storage/transport) Permissible humidity (operation)	70 kPa 106 kPa (up to 3000 m above sea level) -25 °C 85 °C 10 % 95 % (according to DIN EN 61131-2)
Air pressure (storage/transport) Ambient temperature (storage/transport) Permissible humidity (operation) Permissible humidity (storage/transport)	70 kPa 106 kPa (up to 3000 m above sea level) -25 °C 85 °C 10 % 95 % (according to DIN EN 61131-2)
Air pressure (storage/transport) Ambient temperature (storage/transport) Permissible humidity (operation) Permissible humidity (storage/transport) tandards and regulations	70 kPa 106 kPa (up to 3000 m above sea level) -25 °C 85 °C 10 % 95 % (according to DIN EN 61131-2) 10 % 95 % (according to DIN EN 61131-2)

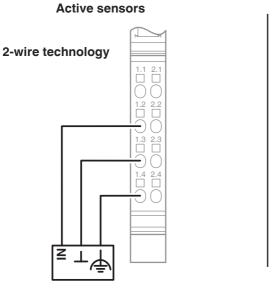


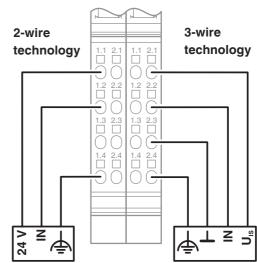


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Drawings

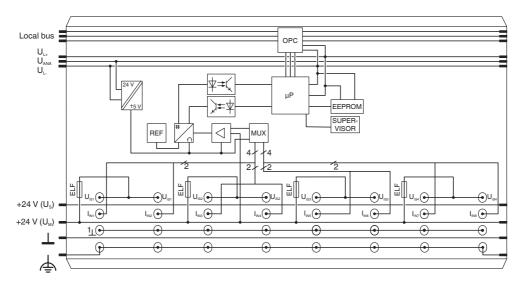




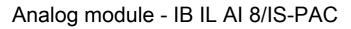
Passive sensors

Connection diagram

Block diagram





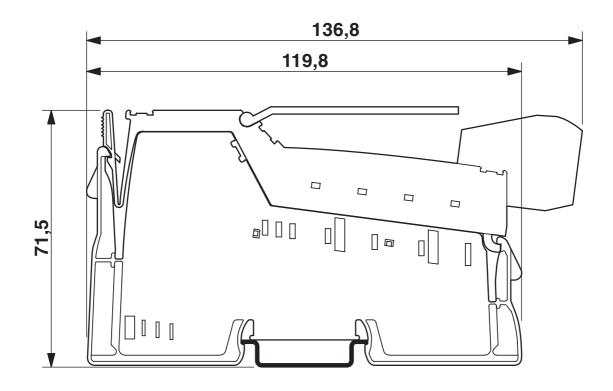


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Dimensional drawing

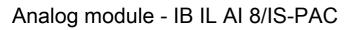


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Approvals
Approval ID: FILE E 140324
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Approval ID: TR TS_D_01921-19
DNV GL Approval ID: TAA00002CU
LR Approval ID: LR22191720TA
Approval ID: 20989/B2_BV
BSH Approval ID: 658a
RINA Approval ID: ELE121121XG
ABS Approval ID: 22-2226444-PDA
BSH Approval ID: Anwenderhinweis
cULus Recognized



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Classifications

ECLASS

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

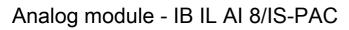
ETIM

ETIM 8.0	EC001596

UNSPSC

UNSPSC 21.0

32151600



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Environmental Product Compliance

REACh SVHC

Lead 7439-92-1

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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 8 - 2727515 https://www.phoenixcontact.com/us/products/2727515

Labeling field, width: 48.8 mm



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Insert strip

Insert strip - ESL 62X46 - 0809502 https://www.phoenixcontact.com/us/products/0809502

Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems: Laser printer, mounting type: insert, lettering field size: 62 x 46 mm, Number of individual labels: 15



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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