

## Inline terminal - IB IL EX-IS AIO 4/EF-PAC - 2869912

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Inline intrinsically safe analog I/O terminal, 4 configurable input/output channels, complete with accessories




### Your advantages

- Fieldbus-independent diagnostics using FDT/DTM technology
- Module-based electrical isolation
- Output: 0/4 ... 20 mA
- Input: 0 ... 10 V, 0/4 ... 20 mA
- 4 configurable I/O channels
- Single-channel diagnostics



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 470216
GTIN	4046356470216

### Technical data

#### Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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#### Dimensions

Width	48.8 mm
Height	136.8 mm
Depth	71.5 mm

#### Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Permissible humidity (operation)	10 % ... 95 % (according to DIN EN 61131-2)

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## Technical data

### Ambient conditions

Air pressure (operation)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Degree of protection	IP20
	IP20

### General

Mounting type	DIN rail
Color	blue
Net weight	222 g

### Interfaces

Designation	Inline local bus
Connection method	Inline data jumper
Transmission speed	500 kbps

### Inline potentials

Designation	Communications power (U <sub>L</sub> )
Supply voltage	5 V DC (via voltage jumper)
Current consumption	max. 50 mA
Supply voltage	28 V DC
Current consumption	max. 187 mA
Power consumption	4.7 W (per channel)

### Analog inputs

Input name	Analog inputs
Number of inputs	4
Connection method	Inline shield connector
Connection technology	2, 3-wire
A/D converter resolution	16 bit (15 bit + sign bit)
Type of protection	Polarity protection, surge protection
Data formats	IB IL, standardized representation, S7 compatible
Current input signal	0 mA ... 20 mA
	4 mA ... 20 mA
Voltage input signal	0 V DC ... 10 V DC
	0 V ... 10 V
Current input signal	0 mA ... 20 mA
	4 mA ... 20 mA

### Analog outputs

Number of outputs	4 (Can be configured as input or output)
Connection method	Inline shield connector
Connection technology	2-wire
Type of protection	Polarity protection, surge protection
Data formats	IB IL, standardized representation, S7 compatible

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## Technical data

### Analog outputs

Current output signal	0 mA ... 20 mA
	4 mA ... 20 mA
Load/output load current output	500 Ω

### Standards and Regulations

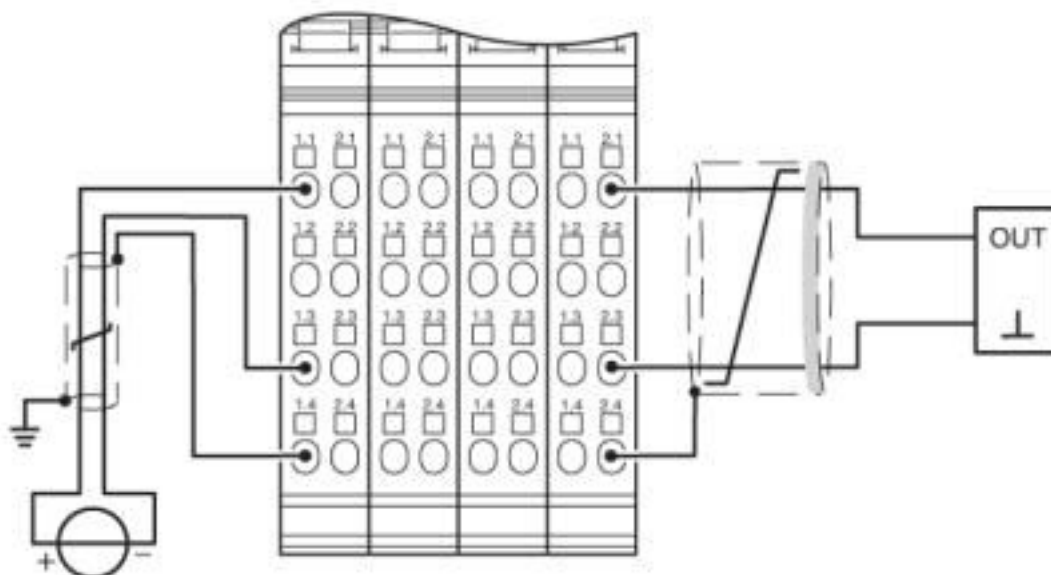
Group	IIC (A, B)
	IIB, [IIIC, IIIB] (C, E, F, G)
	IIA (D)
	IIC (A, B)
	IIB, [IIIC, IIIB] (C, E, F, G)
	IIA (D)
ATEX	# II 3(1)GD Ex ec [ia Ga Da] IIC T4 Gc Sira 09ATEX2339X
IECEX	Ex ec [ia Ga Da] IIC T4 Gc IECEX SIR 10.0033X
UL, USA/Canada	Class I, Div. 2, Groups A, B, C, D

### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

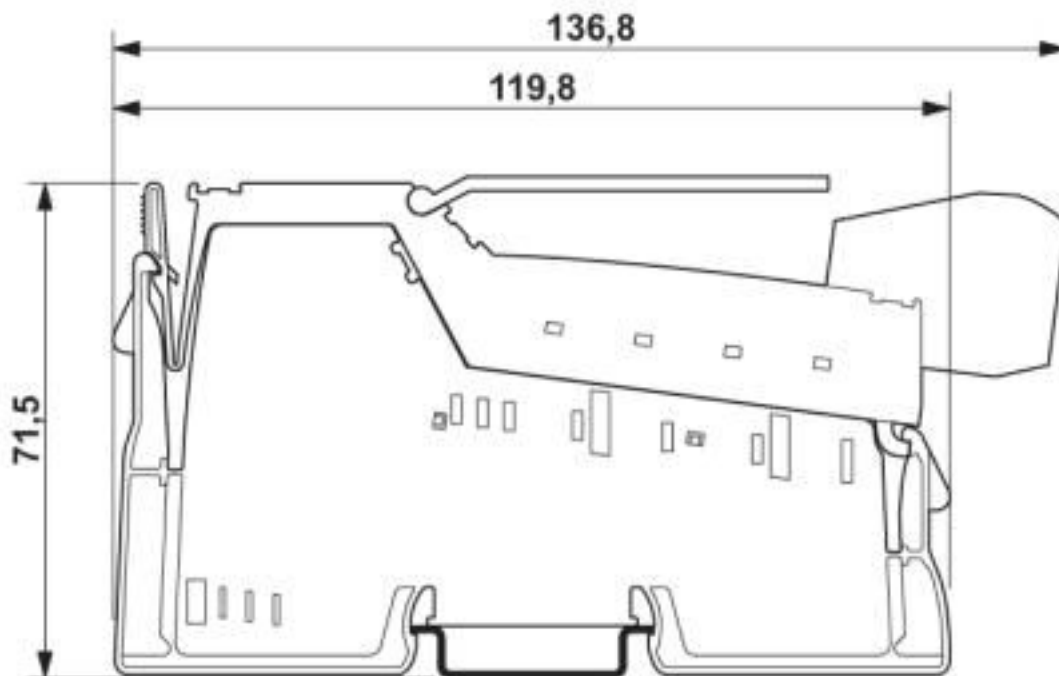
## Drawings

Connection diagram



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Dimensional drawing



## Classifications

### eCl@ss

eCl@ss 10.0.1	27242601
eCl@ss 4.0	27240400
eCl@ss 4.1	27240400
eCl@ss 5.0	27242200
eCl@ss 5.1	27242600
eCl@ss 6.0	27242600
eCl@ss 7.0	27242601
eCl@ss 8.0	27242601
eCl@ss 9.0	27242601

### ETIM

ETIM 3.0	EC001596
ETIM 4.0	EC001596
ETIM 5.0	EC001596
ETIM 6.0	EC001596
ETIM 7.0	EC001596

### UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015

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### Classifications

#### UNSPSC

UNSPSC 12.01	43201404
UNSPSC 13.2	32151602
UNSPSC 18.0	32151602
UNSPSC 19.0	32151602
UNSPSC 20.0	32151602
UNSPSC 21.0	32151602

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[3G2A5IA122](#) [3G2A5LK010E](#) [3G2A5OA223](#)