

IB IL AI 2-HART-PAC

Order No.: 2862149



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Inline analog input terminal block, complete with accessories
(connector and labeling field), 2 inputs, 0-25 mA, 4-20 mA, 2-wire
connection technology, HART functions, HART protocol transmission

Commercial data

GTIN (EAN)	 4 017918 918835
sales group	K412
Pack	1 pcs.
Customs tariff	85389091
Catalog page information	Page 281 (AX-2009)

Product notes

WEEE/RoHS-compliant since:
06/15/2009



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Technical data

General data

Width	48.8 mm
Height	135 mm
Depth	71.5 mm

Weight	134 g
Mounting type	DIN rail
Ambient temperature (operation)	-25 °C ... 55 °C
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)
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)
Degree of protection	IP20
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

Interface

Name	Inline local bus
Type of connection	Inline data jumper
Transmission speed	500 kbps
	500 kBit/s
Transmission physics	Copper

Inline potential routing

Communications power U_L	7.5 V DC
Current consumption from U_L	max. 110 mA
	Typ. 95 mA
Current consumption from U_S	0 A DC
I/O supply voltage U_{ANA}	24 V DC
Current consumption from U_{ANA}	max. 150 mA
	Typ. 50 mA

Analog inputs

Number of inputs	max. 2 (differential inputs, current)
Connection method	2-wire (shielded)
Input name	Analog inputs
A/D conversion time	Approx. 10 μ s (bus-synchronous)
Limit frequency (3 dB)	25 Hz
Data formats	IL, standardized display
Measuring principle	Successive approximation
Measured value resolution	16 bits (15 bits + sign)
Measured value representation	16-bit two's complement

Current input signal	0 mA ... 20 mA
	4 mA ... 20 mA
Number of inputs	2 (differential inputs, current)
Current input signal	0 mA ... 25 mA
	4 mA ... 20 mA
Input resistance current input	250 Ω

Certificates / Approvals



Certification CUL, CUL Listed, GOST, UL

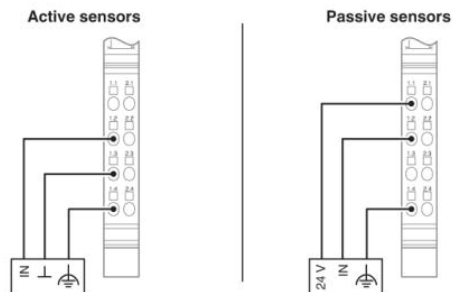
Certification Ex: CUL-EX LIS, PxC-EX, UL-EX LIS

Accessories

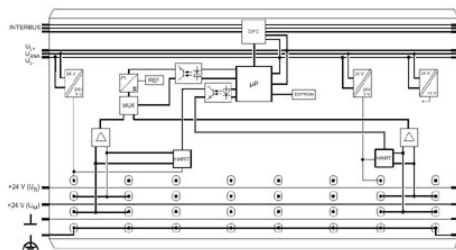
Item	Designation	Description
Marking		
0809492	ESL 62X10	Insert strip for laser printer, lettering field: 62 x 10 mm
2727501	IB IL FIELD 2	Labeling field, width: 12.2 mm
Plug/Adapter		
2740245	IB IL SCN 6-SHIELD-TWIN	Inline shield connector
2726353	IB IL SCN-6 SHIELD	Inline shield connector

Diagrams/Drawings

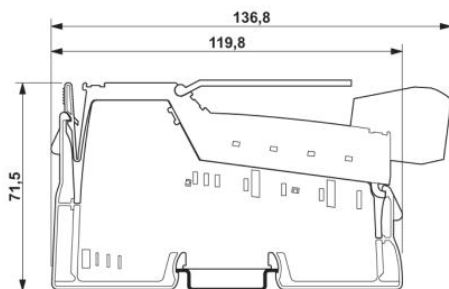
Connection diagram



Block diagram



Dimensioned drawing



Address

PHOENIX CONTACT Deutschland GmbH
Flachsmarktstr. 8
32825 Blomberg, Germany
Phone +49 5235 3 12000
Fax +49 5235 3 41200
<http://www.phoenixcontact.de>



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