


# IB IL AI 2-HART-PAC

Order No.: 2862149



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2862149>

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 $\mu$ 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



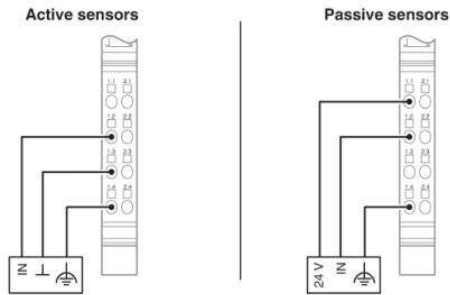
Certification	CUL, CUL Listed, GOST, UL
Certification Ex:	CUL-EX LIS, PxC-EX, UL-EX LIS

### Accessories

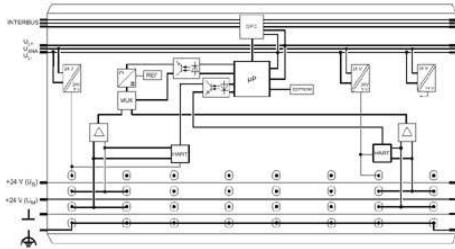
Item	Designation	Description
<b>Marking</b>		
0809492	ESL 62X10	Insert strip for laser printer, lettering field: 62 x 10 mm
2727501	IB IL FIELD 2	Labeling field, width: 12.2 mm
<b>Plug/Adapter</b>		
2740245	IB IL SCN 6-SHIELD-TWIN	Inline shield connector
2726353	IB IL SCN-6 SHIELD	Inline shield connector

## Diagrams/Drawings

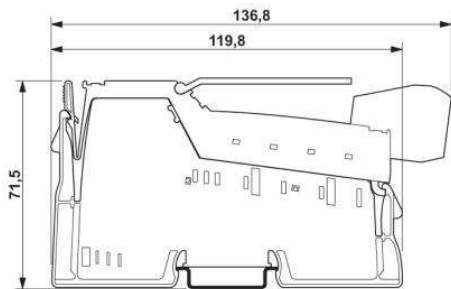
### Connection diagram



### Block diagram



### Dimensioned drawing



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