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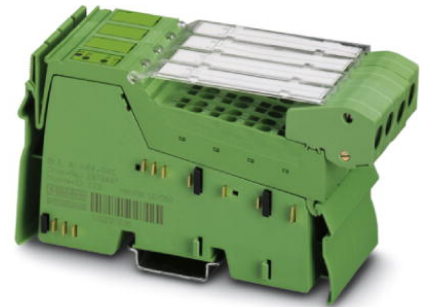
sales@integrated-circuit.com



Extract from the online catalog


IB IL AI 4/EF-PAC

Order No.: 2878447



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2878447>

Inline analog input terminal with differential input channels, complete with accessories (connector and labeling field), 4 inputs, 0-20 mA, 4-20 mA, ± 20 mA, 0-10 V, ± 10 V, 0-5 V, ± 5 V, 2, 3 or 4-conductor connection method

Commercial data	
GTIN (EAN)	 4 017918 996376
sales group	K412
Pack	1 pcs.
Customs tariff	85389091
Catalog page information	Page 282 (AX-2009)

Product notes

WEEE/RoHS-compliant since:
03/10/2008



<http://www.download.phoenixcontact.com>
 Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

General data	
Width	48.8 mm
Height	136.8 mm
Depth	71.5 mm

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Weight	150 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
Test section	5 V supply, incoming remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
	5 V supply, outgoing remote bus/7.5 V supply (bus logics) 500 V AC 50 Hz 1 min
	7.5 V supply (bus logic), 24 V supply U_{ANA} / I/O 500 V AC 50 Hz 1 min
	7.5 V supply (bus logic), 24 V supply U_{ANA} /functional earth ground 500 V AC 50 Hz 1 min
	I/O / functional earth ground 500 V AC 50 Hz 1 min

Interface

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

Inline potential routing

Communications power U_L	7.5 V DC (via voltage jumper)
Current consumption from U_L	max. 110 mA
	Typ. 85 mA
Current consumption from U_M	max. 200 mA
I/O supply voltage U_{ANA}	24 V DC
Current consumption from U_{ANA}	max. 20 mA
	Typ. 13 mA

Analog inputs

Number of inputs	max. 4 (2 differential inputs, voltage or current can be chosen separately)
Type of connection	Inline shield connector

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Connection method	2, 3-conductor
Input name	Analog inputs
Data formats	IL, IB ST, standardized display, S7 compatible
Measured value resolution	16 bits (15 bits + sign)
Current input signal	0 mA ... 20 mA
	4 mA ... 20 mA
	-20 mA ... 20 mA
Voltage input signal	0 V ... 5 V
	-5 V ... 5 V
	0 V ... 10 V
	-10 V ... 10 V
Number of inputs	4 (differential inputs, voltage)
Voltage input signal	0 V ... 5 V
	-5 V ... 5 V
	0 V ... 10 V
	-10 V ... 10 V
Input resistance of voltage input	300 kΩ
Number of inputs	4 (differential inputs, current)
Current input signal	0 mA ... 20 mA
	4 mA ... 20 mA
	-20 mA ... 20 mA
Input resistance current input	Approx. 220 Ω

Certificates / Approvals



Certification

ABS, BV, CUL, DNV, GL, LR, UL

Certifications applied for:

UL-EX LIS / CUL-EX LIS

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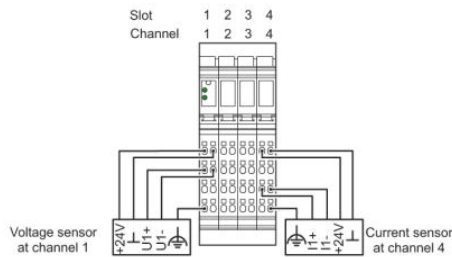
Accessories

Item	Designation	Description
Marking		
0809492	ESL 62X10	Insert strip for laser printer, lettering field: 62 x 10 mm
0809502	ESL 62X46	Insert strip for laser printer, lettering field: 62 x 46 mm
2727501	IB IL FIELD 2	Labeling field, width: 12.2 mm
2727515	IB IL FIELD 8	Labeling field, width: 48.8 mm

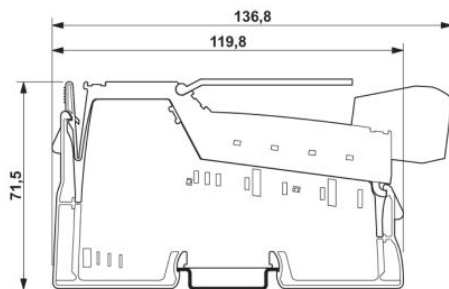
Plug/Adapter		
2726353	IB IL SCN-6 SHIELD	Inline shield connector

Diagrams/Drawings

Connection diagram



Dimensioned drawing



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