

Inline terminal - IB IL 120 DI 1-PAC - 2861917

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Inline, Digital input terminal, Digital inputs: 1, 120 V DC, Connection technology: 3-conductor, Transmission speed in the local bus 500 kbps, Degree of protection IP20, including Inline connector and labeling field

Product Description


The terminal is designed for use within an Inline station. It is used to acquire digital signals in the AC voltage range.

Why buy this product

- Connections for one digital sensor
- Maximum permissible load current: 500 mA



Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 907464
GTIN	4017918907464
Weight per Piece (excluding packing)	76.450 g
Custom tariff number	85389091
Country of origin	Germany

Technical data

Note

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

Width	12.2 mm
Height	119.8 mm

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Technical data

Dimensions

Depth	71.5 mm
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Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	75 % ... 85 % (in the range of -25°C ... +55°C, appropriate measures against increased humidity (> 85%) must be taken.)
Permissible humidity (storage/transport)	75 % ... 85 % (slight temporary condensation may sometimes appear on the housing)
Air pressure (operation)	80 kPa ... 160 kPa (up to 2000 m above sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Degree of protection	IP20

General

Mounting type	DIN rail
Net weight	39 g
Note on weight specifications	Without plug

Interfaces

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

Power supply for module electronics

Supply voltage	120 V AC
Supply voltage range	108 V AC ... 135 V AC
Communications power U_L	7.5 V DC
Current consumption	max. 30 mA (from the local bus)

Inline potentials

Communications power U_L	7.5 V
Current consumption from U_L	max. 30 mA
Main circuit supply U_M	120 V AC
Current consumption from U_M	max. 0.25 A

Digital inputs

Input name	Digital inputs
Description of the input	IEC 61131-2 type 1
Connection method	Spring-cage connection
Connection technology	3-conductor
Number of inputs	1

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Technical data

Digital inputs

Input voltage	120 V AC
Input voltage range "0" signal	0 V AC ... 40 V AC
Input voltage range "1" signal	77 V AC ... 135 V AC

Electrical isolation

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 logics) / I/O area 2500 V AC 50 Hz 1 min.
	Routine test 1200 V AC 50 Hz 1 min.

Standards and Regulations

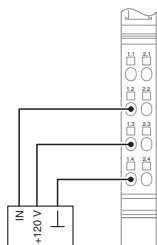
Connection in acc. with standard	CUL
Protection class	I, IEC 61140, EN 61140, VDE 0140-1

Environmental Product Compliance

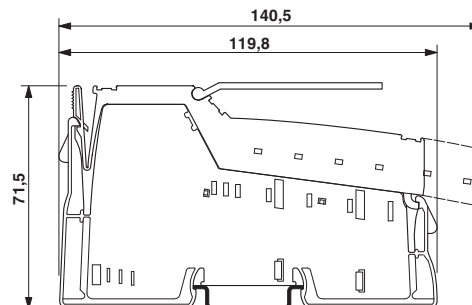
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Connection diagram



Dimensional drawing



Classifications

eCl@ss

eCl@ss 4.0	27250302
eCl@ss 4.1	27250302
eCl@ss 5.0	27250302

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Classifications

eCl@ss

eCl@ss 5.1	27242604
eCl@ss 6.0	27242604
eCl@ss 7.0	27242604
eCl@ss 8.0	27242604
eCl@ss 9.0	27242604

ETIM

ETIM 2.0	EC001430
ETIM 3.0	EC001599
ETIM 4.0	EC001599
ETIM 5.0	EC001599
ETIM 6.0	EC001599

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	32151602

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
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Approvals

cUL Recognized		http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm	FILE E 140324
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EAC			EAC-Zulassung
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cULus Recognized		http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm	
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Accessories

Accessories

Labeling panel

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



Plug

Inline connector - IB IL SCN-8-AC-ICP - 2740261



Plug, colored identification, for digital 1, -2 or 8-channel Inline input terminal blocks with AC voltage

Terminal marking

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Accessories

Insert strip - ESL 62X10 - 0809492

Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems: Laser printer, Mounting type: Insert, Lettering field: 62 x 10 mm

