

Inline function terminal - IB IL 24 IOL 4 DI 12-PAC - 2692717

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Inline IO-Link master, complete with accessories (connector and labeling field), 4 IO-Link ports, 12 digital inputs, 24 V DC, 2, 3-wire connection method

Product description

The device serves to connect IO-Link devices.

Product Features

- Optional use of the IO-Link ports in SIO mode as standard inputs or standard outputs
- 4 type A IO-Link ports
- Connections for 12 digital sensors



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	240.0 GRM
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	48.8 mm
Height	119.8 mm
Depth	71.5 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C

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Ambient conditions

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

General

Weight	200 g
Note on weight specifications	with connectors
Mounting type	DIN rail
Protection class	III, IEC 61140, EN 61140, VDE 0140-1
Test section	24 V supply U_S (IO-Link and digital inputs) / functional earth ground 500 V DC 50 Hz 1 min
	24 V supply U_S (IO-Link and digital inputs) / 7.5 V supply (bus logic) 500 V DC 50 Hz 1 min
	7.5 V supply (bus logics) / functional earth ground 500 V DC 50 Hz 1 min
Diagnostics messages	Short-circuit of a digital output in the SIO mode Yes
	Sensor supply short-circuit No
	Sensor supply overload No

Interfaces

Fieldbus system	Lokalbus
Designation	Inline local bus
Connection method	Inline data jumper
Transmission speed	500 kBit/s

Power supply for module electronics

Connection method	via potential routing
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Inline potentials

Communications power U_L	7.5 V (via voltage jumper)
Current consumption from U_L	max. 100 mA
Segment supply voltage U_S	24 V DC (nominal value)
Current consumption from U_S	max. 2 A (with load and port supply)
	max. 52 mA (without load)

Digital inputs

Input name	Digital inputs
Connection method	Inline connector
	2, 3-wire

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Digital inputs

Number of inputs	12 (EN 61131-2 type 1)
Input voltage range "0" signal	< 5 V (typ.)
Input voltage range "1" signal	> 11 V (typ.)
Nominal input current at U_{IN}	2.2 mA
Delay at signal change from 0 to 1	3 ms
Delay at signal change from 1 to 0	3 ms

Classifications

eCl@ss

eCl@ss 4.0	27250302
eCl@ss 4.1	27250302
eCl@ss 5.0	27250302
eCl@ss 5.1	27242604
eCl@ss 6.0	27242604
eCl@ss 7.0	27242604
eCl@ss 8.0	27242608

ETIM

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

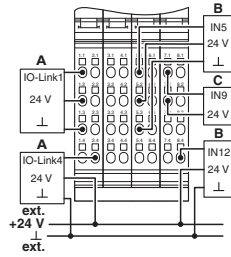
UNSPSC

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

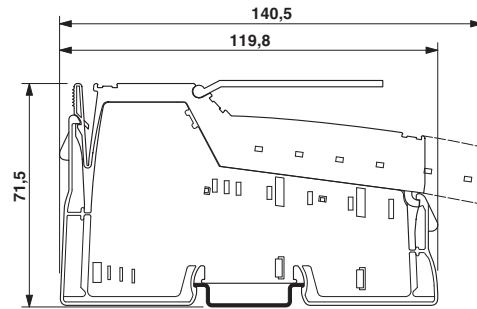
Drawings

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Connection diagram



Dimensioned drawing



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