

Inline ME terminal - IB IL 24 DI 4-ME - 2863928

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Inline digital input terminal, Inline ME versions (machine edition) complete with accessories (connector and labeling field), FOUR inputs, 24 V DC, 2, 3-conductor connection method

Product Description

The terminal is designed for use within an Inline station. It is used to acquire digital input signals.

Product Features

- 4 digital inputs
- Connection of sensors in 2 and 3-wire technology
- Maximum permissible load current per sensor: 250 mA
- Maximum permissible load current from the terminal: 1 A
- Diagnostic and status indicators



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	4 pc
Weight per Piece (excluding packing)	68.8 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
Depth	71.5 mm

Inline ME terminal - IB IL 24 DI 4-ME - 2863928

Technical data

Ambient conditions

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

General

Mounting type	DIN rail
Net weight	59 g
Note on weight specifications	with connector
Operating mode	Process data operation with 4 bits

Interfaces

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

Power supply for module electronics

Supply voltage	24 V DC (via voltage jumper)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Supply current	40 mA
Communications power U_L	7.5 V (via voltage jumper)
Current consumption	max. 40 mA (from the local bus)
Power consumption	max. 0.3 W (at U_L)

Inline potentials

Communications power U_L	7.5 V DC (via voltage jumper)
Current consumption from U_L	max. 40 mA
Segment circuit supply U_S	24 V DC (nominal value)
Current consumption from U_S	max. 1 A
Power consumption	max. 0.3 W (at U_L)

Digital inputs

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

Inline ME terminal - IB IL 24 DI 4-ME - 2863928

Technical data

Digital inputs

	3-conductor
Number of inputs	4
Typical response time	< 1 ms
Input voltage	24 V DC (via voltage jumper)
Input voltage range "0" signal	-3 V DC ... 5 V
Input voltage range "1" signal	15 V DC ... 30 V DC
Input voltage range	-30 V DC ... 30 V DC
Nominal input current at U _{IN}	min. 3 mA (at nominal voltage)

Standards and Regulations

Test section	7.5 V supply (bus logics)/24 V supply (I/O) 500 V AC 50 Hz 1 min.
	7.5 V supply (bus logics) / functional earth ground 500 V AC 50 Hz 1 min.
	24 V supply (I/O) / functional earth ground 500 V AC 50 Hz 1 min.
Connection in acc. with standard	CUL
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

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	27242604
eCl@ss 9.0	27242604

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

Inline ME terminal - IB IL 24 DI 4-ME - 2863928

Classifications

UNSPSC

UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

UL Listed / cUL Listed / cULus Listed


Approvals submitted

Approval details

UL Recognized 

cUL Recognized 

EAC

cULus Recognized 

Accessories

Accessories

I/O component

Inline ME terminal - IB IL 24 DI 4-ME - 2863928

Accessories

Inline terminal - IB IL PD 24V-PAC - 2862987



Inline terminal for power distribution (24 V), complete with accessories, (connector and labeling field) 24 V supply voltage is fed out from the segment circuit (US)

Inline terminal - IB IL PD GND-PAC - 2862990



Inline terminal for power distribution (GND), complete with accessories, (connector and labeling field) connections for GND

Labeling panel

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



Plug

Inline connector - IB IL SCN-8 - 2726337

Connector, for digital 1, 2 or 8-channel Inline terminals



Terminal marking

Inline ME terminal - IB IL 24 DI 4-ME - 2863928

Accessories

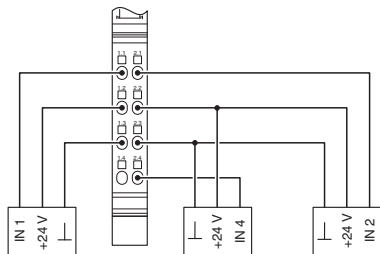
Insert strip - ESL 62X10 - 0809492

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

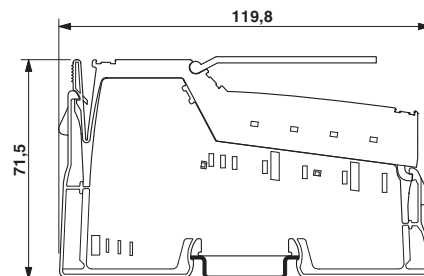


Drawings

Connection diagram



Dimensional drawing



Mouser Electronics

Authorized Distributor

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