PHŒNIX CONTACT

Inline terminal - IB IL 24 DO 2-2A-2MBD-PAC - 2861700

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Inline digital output terminal, complete with accessories (connector and labeling field), 2 outputs, 24 V DC, 2 A, transmission speed 2 Mbaud, 4-wire connection method

The figure shows the version IB IL 24 DO 2-2A-PAC

Product Description

The digital Inline output terminals are designed for the connection of digital actuators, such as electromagnetic valves, contactors or visual indicators. All the typical applications are covered by the standard automation terminals.
The I/O equipment is connected by a simple or an extended Inline plug, depending on the number of channels. The multi-wire connection method is available in both cases.
The Inline terminals can be labeled using hinged labeling fields. The fields have insert cards that can be labeled individually to suit the application. Additionally, there is the proven ZBFM-6... Zack strip for labeling the terminal points.

Product Features

- ■ 2 digital outputs
- ■ Connection of actuators in 2, 3, and 4-wire technology
- ■ Nominal current per output: 2 A
- ■ Total current of the terminal: 4 A
- ■ Short-circuit-proof and overload-protected outputs
- ■ Diagnostic and status indicators

Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	68.79 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

Inline terminal - IB IL 24 DO 2-2A-2MBD-PAC - 2861700

Technical data

Dimensions

Width	12.2 mm
Height	119.5 mm
Depth	71.5 mm
Note on dimensions	Housing dimensions

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	42 g
Note on weight specifications	Without plug
Diagnostics messages	Short-circuit / overload of the digital outputs Error message in the diagnostic code (bus) and display (2 Hz) via the LED (D) on the module

Interfaces

Fieldbus system	Lokalbus
Designation	Inline local bus
Connection method	Inline potential distributor
Transmission speed	2 MBit/s

Power supply for module electronics

Supply voltage	24 V DC (nominal value)
Supply voltage range	19.2 V DC ... 30 V DC
Communications power U_L	7.5 V (via voltage jumper)
Current consumption	max. 60 mA (from the local bus)

Inline potentials

Communications power U_L	7.5 V DC
Current consumption from U_L	max. 35 mA
Segment circuit supply U_S	24 V DC (nominal value)
Current consumption from U_S	max. 4 A

Digital outputs

Output name	Digital outputs

Inline terminal - IB IL 24 DO 2-2A-2MBD-PAC - 2861700

Technical data

Digital outputs

Connection method	Spring-cage connection
	4-wire
Number of outputs	2
Protective circuit	Overload protection, short-circuit protection of outputs
Output voltage	24 V DC
Nominal output voltage	24 V DC (voltage difference at $I_{nom} \leq 1$ V)
Maximum output current per channel	2 A
Maximum output current per module	4 A
Nominal load, inductive	12 W
Nominal load, lamp	12 W
Nominal load, ohmic	12 W

Standards and Regulations

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)/24 V supply (I/O) 500 V AC 50 Hz 1 min.
	24 V supply (I/O) / functional earth ground 500 V AC 50 Hz 1 min.
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

Inline terminal - IB IL 24 DO 2-2A-2MBD-PAC - 2861700

Classifications

UNSPSC

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

Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

ATEX / ATEX

Approvals submitted

Approval details

UL Listed

cUL Listed

cULus Listed

Accessories

Accessories

Labeling panel

Inline terminal - IB IL 24 DO 2-2A-2MBD-PAC - 2861700

Accessories

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm

Plug

Inline connector - IB IL SCN-8-CP - 2727608

Inline connector, colored

Inline connector - IB IL SCN-8 - 2726337

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

Terminal marking

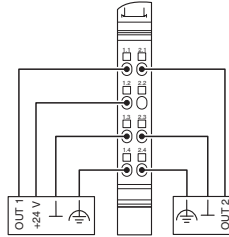Insert strip - ESL 62X10 - 0809492

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

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Connection diagram

Mouser Electronics

Authorized Distributor

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