Inline terminal - IB IL 24 DO 16-PAC/SN - 2862961

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The illustration shows the article IB IL 24 DO 16-PAC

Inline digital output terminal block, complete with accessories (connector and labeling field), 16 outputs, 24 V DC, 500 mA, 3-wire connection method, standard numbering

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

- 16 digital outputs
- Connection of actuators in 2 and 3-wire technology
- Nominal current per output: 500 mA
- Total current of the terminal: 8 A
- Short-circuit-proof and overload-protected outputs
- Diagnostic and status indicators

Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	238.3 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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Technical data

Dimensions

Width	48.8 mm
Height	140.5 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

Net weight	130 g
Note on weight specifications	Without plug
Mounting type	DIN rail
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 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
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

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

Power supply for module electronics

Supply voltage	24 V DC (via voltage jumper)
Supply voltage range	19.2 V DC ... 30 V DC
Communications power U_L	7.5 V (via voltage jumper)
Current consumption	max. 90 mA (from the local bus)

Inline potentials

Communications power U_L	7.5 V DC

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Technical data

Inline potentials

Current consumption from U_L	max. 90 mA
Segment supply voltage U_S	24 V DC (nominal value)
Current consumption from U_S	max. 8 A

Digital outputs

Output name	Digital outputs
Connection method	Spring-cage connection
	2, 3-wire
Number of outputs	16
Protective circuit	Overload protection, short-circuit protection of outputs
Output voltage	U_S - 1 V
Nominal output voltage	24 V DC (voltage difference at $I_{nom} \leq 1$ V)
Maximum output current per channel	500 mA
Maximum output current per module	8 A
Nominal load, inductive	12 W
Nominal load, lamp	12 W
Nominal load, ohmic	12 VA

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

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

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Classifications

UNSPSC

UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / LR / GL / DNV / ABS / RINA / GL-SW / BSH / cUL Recognized / DNV / ABS / RINA / GL-SW / BSH / BV / EAC / cULus Recognized / GL

Ex Approvals

UL Listed / cUL Listed / ATEX / ATEX / cULus Listed

Approvals submitted

Approval details

UL Recognized

cUL Recognized

LR

GL

DNV

ABS

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Approvals

RINA

GL-SW

BSH

cUL Recognized

DNV

ABS

RINA

GL-SW

BSH

BV

EAC

cULus Recognized

GL

Drawings

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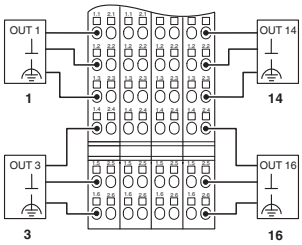
Connection diagram



Dimensional drawing