

Inline terminal - IB IL 24 DO 8-NPN-PAC - 2863546

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Inline digital output terminal, complete with accessories (plug and labeling field), 8 outputs, 24 V DC, npn-wired, 2 mA, 2, 3-conductor connection system

Why buy this product

- Connections for 8 digital actuators, npn-wired
- Connection of actuators in 2, 3, and 4-wire technology
- Nominal current of each output: 1 A
- 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
GTIN	 4 017918 941222
Weight per Piece (excluding packing)	178.91 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	48.8 mm
Height	119.5 mm
Depth	71.5 mm
Note on dimensions	Housing dimensions

Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
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Technical data

Ambient conditions

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

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

Name	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 (including all tolerances, including ripple)
Supply current	32 mA
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. 60 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
Output description	With negative logic
Connection method	Spring-cage connection
	2, 3, 4-wire

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Digital outputs

Number of outputs	8
Protective circuit	Overload protection, short-circuit protection of outputs
Output voltage	23 V ($U_s - 1$ V)
Nominal output voltage	24 V DC (voltage difference at $I_{nom} \leq 1$ V)
Maximum output current per channel	1 A
Maximum output current per module	8 A
Nominal load, inductive	24 VA
Nominal load, lamp	24 W
Nominal load, ohmic	24 W

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
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

Approvals

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

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Approvals


Ex Approvals

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

Approvals submitted

Approval details

UL Recognized 

cUL Recognized 

LR

GL

DNV

ABS


RINA

GL-SW

BSH


BV

BSH

UL Recognized 

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Accessories

Accessories

Labeling panel

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



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Accessories

Labeling field - IB IL FIELD 8 - 2727515

Labeling field, width: 48.8 mm



Plug

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



Inline connector, colored

Inline plug - IB IL SCN-8 - 2726337



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

Terminal marking

Insert strip - ESL 62X10 - 0809492

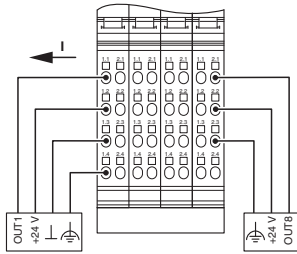
Insert strip, Sheet, white, Unlabeled, Can be labeled with: Office printing systems, Plotter: Laser printer, Mounting type: Insert, Lettering field: 62 x 10 mm



Drawings

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Connection diagram



Dimensioned drawing

