

Inline terminal - IB IL 24 DO 4-PAC - 2861276

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Inline digital output terminal, complete with accessories (connector plug and labeling field), 4 outputs, 24 V DC, 500 mA, 3-wire connection technology

Product Features

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



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	90.3 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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Dimensions

Width	12.2 mm
Height	140.5 mm
Depth	71.5 mm
Note on dimensions	Housing dimensions

Ambient conditions

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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	66 g
Note on weight specifications	with connector
Operating mode	Process data operation with 4 bits
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 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)
Communications power U_L	7.5 V (via voltage jumper)
Current consumption	max. 44 mA (from the local bus)
Power consumption	max. 0.33 W (at U_L)

Inline potentials

Communications power U_L	7.5 V DC (via voltage jumper)
Current consumption from U_L	max. 44 mA
Main circuit supply U_M	24 V DC
Segment circuit supply U_S	24 V DC (nominal value)
Current consumption from U_S	max. 2 A
Power consumption	max. 0.33 W (at U_L)

Digital outputs

Output name	Digital outputs
Connection method	Spring-cage connection

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Technical data

Digital outputs

	3-conductor
Number of outputs	4
Protective circuit	Overload protection, short-circuit protection of outputs Zener diode in output chip
Output voltage	24 V DC ($U_S - 1 V$)
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	2 A
Nominal load, inductive	12 VA (1.2 H, 50 Ω)
Nominal load, lamp	12 W
Nominal load, ohmic	12 W (48 Ω)

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.
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

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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 Recognized / cUL Recognized / LR / BV / ABS / RINA / BSH / BSH / EAC / cULus Recognized


Ex Approvals

UL Listed / cUL Listed / ATEX / cULus Listed

Approvals submitted

Approval details

UL Recognized 

cUL Recognized 

LR

BV

ABS

RINA


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Approvals

BSH

BSH

EAC

cULus Recognized  US

Accessories

Accessories

Labeling panel

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



Labeling field - IB IL FIELD 8 - 2727515

Labeling field, width: 48.8 mm



Plug

Inline connector - IB IL SCN-12 - 2726340



Connector, for digital 4 or 16-channel Inline terminals

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Accessories

Inline connector - IB IL SCN-12-OCP - 2727624



Connector, colored identification, for digital 4, or 16-channel Inline output terminal blocks

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

Insert strip - ESL 62X46 - 0809502

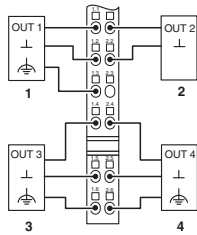


Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems, Plotter: Laser printer, Mounting type: Insert, Lettering field: 62 x 46 mm

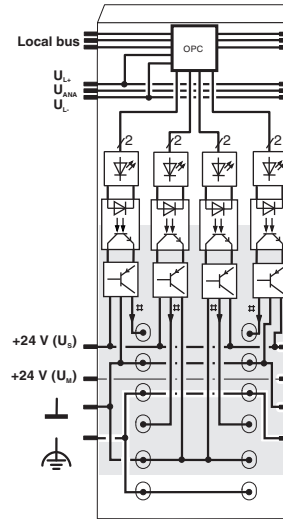
Drawings

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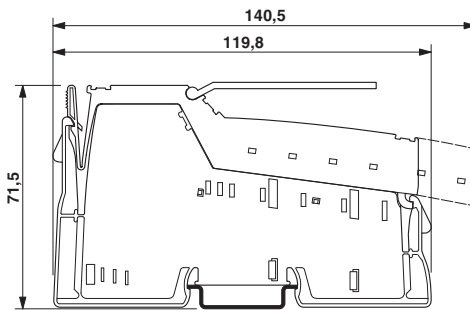
Connection diagram



Block diagram



Dimensional drawing



Mouser Electronics

Authorized Distributor

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