

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

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Inline, Digital output terminal, Digital outputs: 16, 24 V DC, 500 mA, connection method: 3-wire, transmission speed in the local bus: 500 kbps, including Inline connectors and marking fields, connectors numbered individually

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

Product Description

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

Why buy this product

- ☒ 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



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 904975
GTIN	4017918904975

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	140.5 mm
Depth	71.5 mm
Note on dimensions	Housing dimensions

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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 % (non-condensing)
Permissible humidity (storage/transport)	10 % ... 95 % (non-condensing)
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	130 g
Note on weight specifications	with connectors
Operating mode	Process data mode with one word
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
No. of channels	2
Connection method	Inline data jumper
Transmission speed	500 kbps

Inline potentials

Designation	Communications power (U_L)
Supply voltage	7.5 V DC (via voltage jumper)
Current consumption	max. 90 mA
Power consumption	max. 0.675 W
Designation	Segment circuit supply (U_S)
Supply voltage	24 V DC (via voltage jumper)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current consumption	max. 8 A

Digital outputs

Output name	Digital outputs
Connection method	Spring-cage connection
Connection technology	3-wire
Number of outputs	16
Type of protection	Overload protection, short-circuit protection of outputs
Output voltage	24 V DC ($U_S - 1$ V)
Nominal output voltage	24 V DC
Maximum output current per channel	500 mA
Maximum output current per module	8 A
Nominal load, inductive	12 W (1.2 H, 48 Ω)

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Digital outputs

Nominal load, lamp	12 W
Nominal load, ohmic	12 VA (48 Ω)

Electrical isolation

Test section	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.
	7.5 V supply (bus logics) / functional earth ground 500 V AC 50 Hz 1 min.

Standards and Regulations

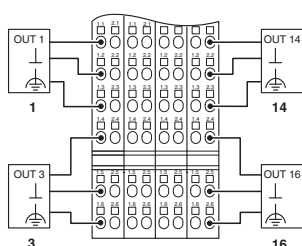
Connection in acc. with standard	CUL
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

Environmental Product Compliance

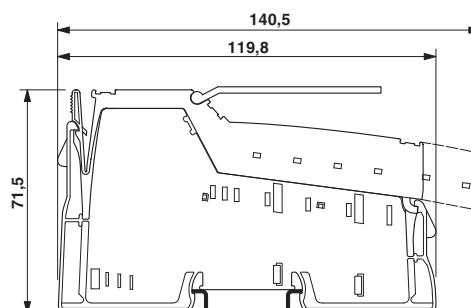
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Connection diagram

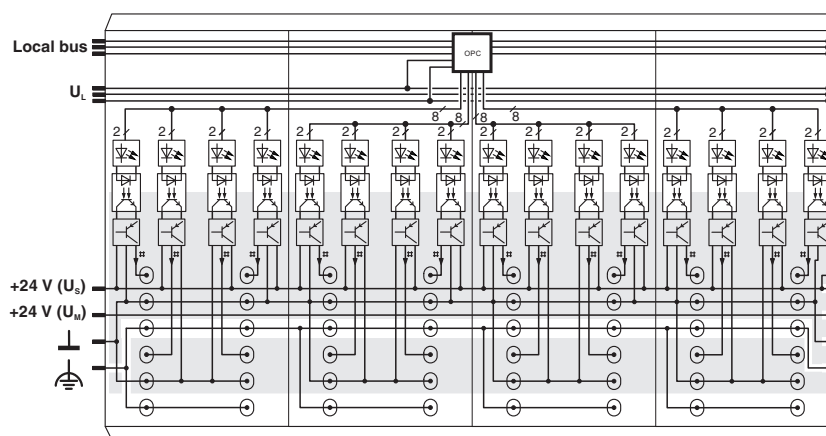


Dimensional drawing



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Block diagram



Approvals

Approvals

Approvals

UL Recognized / LR / ABS / RINA / BSH / BV / EAC / DNV GL

Ex Approvals

UL Listed / cUL Listed / cULus Listed

Approval details

UL Recognized



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

FILE E 140324

LR



<http://www.lr.org/en>

08/20033

ABS



<http://www.eagle.org/eagleExternalPortalWEB/>

17-HG1621871-PDA

RINA



<http://www.rina.org/en>

ELE183315XG

BSH

<http://www.bsh.de/de/index.jsp>

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Approvals

BV		http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials	20989/B2_BV
EAC			EAC-Zulassung
DNV GL		http://exchange.dnv.com/tari/	TAA00000BN

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