Inline terminal - IB IL 24 DO 2-PAC - 2861470

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Inline, Digital output terminal, Digital outputs: 2, 24 V DC, 500 mA, connection method: 4-wire, transmission speed in the local bus: 500 kbps, including Inline connector and labeling field

Product Description

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

Why buy this product

- 2 digital outputs
- Connection of actuators in 2, 3, and 4-wire technology
- Nominal current per output: 500 mA
- Total current of the terminal: 1 A
- Short-circuit-proof and overload-protected outputs
- Diagnostic and status indicators

Key Commercial Data

Packing unit	1 STK
GTIN	4 017918 894399
GTIN	4017918894399

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area

Dimensions

Width	12.2 mm
Height	119.8 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 % (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	41 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

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. 33 mA
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. 1 A
	0 A

Digital outputs

Output name	Digital outputs
Connection method	Spring-cage connection
Connection technology	4-wire
Number of outputs	2
Type of protection	Overload protection, short-circuit protection of outputs
Output voltage	24 V DC
Nominal output voltage	24 V DC
Maximum output current per channel	500 mA
Maximum output current per module	1 A
Nominal load, inductive	12 W
Nominal load, lamp	12 W

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Digital outputs

Nominal load, ohmic	12 VA

Electrical isolation

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.

Standards and Regulations

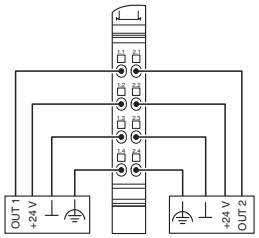
Connection in acc. with standard	CUL
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

Environmental Product Compliance

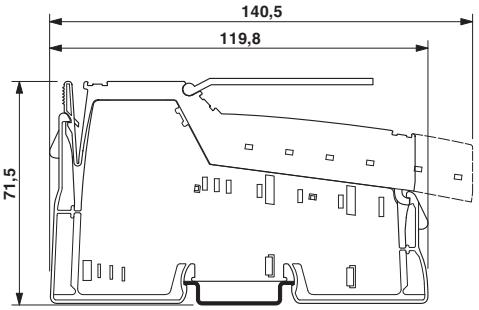
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Connection diagram



Dimensional drawing



Approvals

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

Ex Approvals

UL Listed / cUL Listed / cULus Listed

Approval details

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Approvals

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
BV	http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials	20989/B2_BV
ABS	http://www.eagle.org/eagleExternalPortalWEB/	08-HG362706-5-PDA
RINA	http://www.rina.org/en	ELE183315XG
BSH	http://www.bsh.de/de/index.jsp	Anwenderhinweis
EAC		EAC-Zulassung
DNV GL	http://exchange.dnv.com/tari/	TAA00000BN

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
http://www.phoenixcontact.com