

Inline terminal - IB IL 24/230 DOR1/W-PC-PAC - 2862178

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Inline, Relay terminal, Relay output: 1 (floating contacts), 24 V DC / 230 V AC, 2.6 A, for switching inductive and capacitive loads, transmission speed in the local bus: 500 kbps, degree of protection: IP20, including Inline connector and labeling field

Product Description


The terminal is designed for use within an Inline station.
 It has one floating SPDT relay contact.
 The terminal is suitable for switching inductive and capacitive loads.
 The terminal can be used in the PELV area and in the AC area.
 For switching voltages below 12 V or currents below 100 mA, please use the IB IL 24/230 DOR 1/W-PAC: terminal.

Your advantages

- Safe isolation in acc. with EN 50178
- Floating connection for one actuator
- Nominal current at the output: 2.2 A
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Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 894665
GTIN	4017918894665

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	119.8 mm
Depth	71.5 mm
Note on dimensions	Housing dimensions

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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	46 g
Note on weight specifications	with connector
Operating mode	Process data mode with 2 bits

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. 60 mA
Power consumption	max. 0.45 W

Digital outputs

Output name	Relay output
Output description	SPDT relay contact
Connection method	Spring-cage connection
Number of outputs	1 (floating contacts)
Nominal output voltage	24 V DC
Maximum output current per channel	2.6 A
Maximum output current per module	2.6 A

Relay outputs

Switching current	max. 2.6 A (At 30 V DC)
	max. 0.15 A (for 250 V DC)
Switching capacity	max. 750 VA (see to derating)
Limiting continuous current	2.6 A
Contact type	1 floating PDT
Switching voltage	max. 253 V AC
	max. 250 V DC

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Relay outputs

Switching current	max. 2.6 A (At 30 V DC)
	max. 0.15 A (for 250 V DC)
Switching capacity	max. 750 VA (see to derating)
Mechanical service life	2x 10 ⁷ cycles

Electrical isolation

Test section	Relay contact / Bus logics 4 kV 50 Hz 1 min.
	Contact/contact 1 kV 50 Hz 1 min.
	Contact / PE 1 kV 50 Hz 1 min.

Standards and Regulations

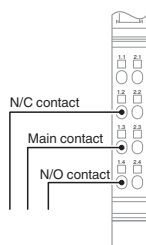
Connection in acc. with standard	CUL
Protection class	I, IEC 61140, EN 61140, VDE 0140-1

Environmental Product Compliance

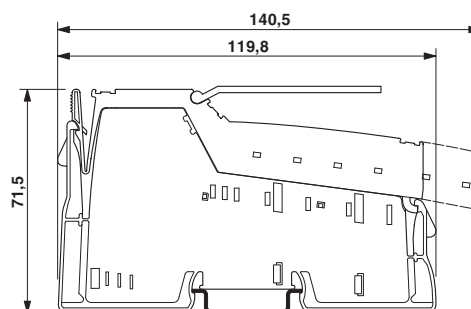
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Connection diagram



Dimensional drawing



Approvals

Approvals

Approvals

UL Recognized / EAC

Ex Approvals

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Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
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EAC		EAC-Zulassung
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