

Input/output module - IOA REL 24V DO/BFI/3.0A/EX - 2910153

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VIP field termination assemblies (FTA) with input/output accessories (IOA) provide universal channel configuration for applications seeking to evolve from a traditional fixed I/O approach. Digital relay output, fused with blown fuse indication, selectable NO or NC contact, 24 V DC, 3 A rating.

Why buy this product

- ✓ Output blown fuse indication
- ✓ Active relay coil indication
- ✓ 1PDT relay with user selectable NO or NC contact
- ✓ Two-stage progressive release allowing for voltage checks with field-powered devices
- ✓ Channel for marking accessories
- ✓ Replaceable TE5-style fusing
- ✓ Integrated keying reduces possible user error during replacement
- ✓ 24 V internal marshalling option for connected field device

Key Commercial Data

Packing unit	1 STK
GTIN	 4 055626 447278
GTIN	4055626447278
Weight per Piece (excluding packing)	40.000 g
Custom tariff number	85364190
Country of origin	United States

Technical data

Note

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

Width	10.3 mm
Height	64.2 mm
Depth	72.9 mm

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Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C

Coil side

Nominal input voltage U_N	24 V DC
Input voltage range in reference to U_N	0.9 ... 1.1
Typical input current at U_N	13.5 mA
Typical response time	5 ms
Typical release time	8 ms
Coil voltage	24 V DC
Protective circuit	Reverse polarity protection Polarity protection diode
	Free-wheeling diode Damping diode
Operating voltage display	Yellow LED

Contact side

Contact type	1 PDT
Type of switch contact	Single contact
Contact material	AgSnO
Maximum switching voltage	24 V DC
Minimum switching voltage	5 V (at 100 mA)
Min. switching current	10 mA (at 12 V)
Limiting continuous current	3 A (fuse limited)
Interrupting rating (ohmic load) max.	140 W (at 24 V DC)

General

Operating mode	100% operating factor
Degree of protection	IP20
Mechanical service life	2x 10 ⁷ cycles
Mounting position	any
Assembly instructions	Plugs into VIP/...BASE...

Standards and Regulations

Standards/regulations	IEC 60664
	DIN EN 50178
Flammability rating according to UL 94	V0
Conformance	ANSI/ISA 60079-0; 60079-15
	ANSI/IEC 60529
	FM 3600; 3611; 3810
UL, USA/Canada	Class I, Div. 2, Groups A, B, C, D, T4

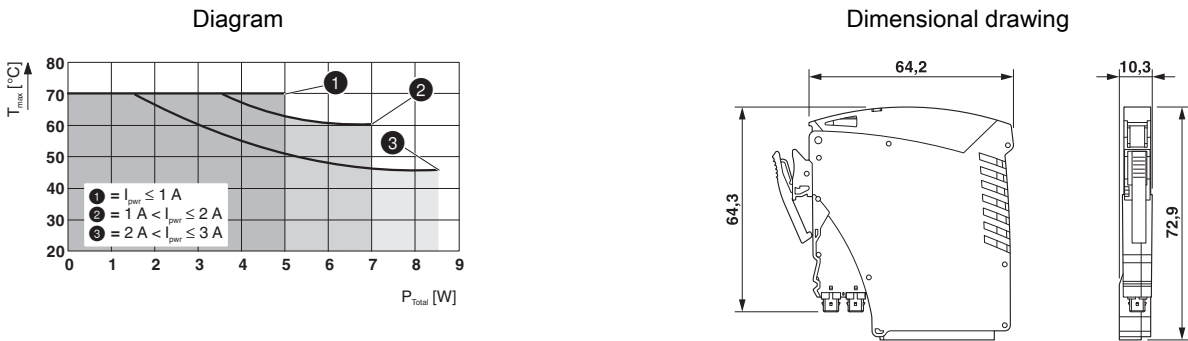
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Environmental Product Compliance

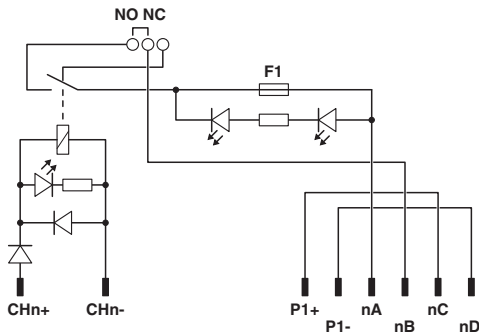
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings



Derating curve

Circuit diagram



Classifications

eCl@ss

eCl@ss 5.0	27371601
eCl@ss 5.1	27371601
eCl@ss 6.0	27371601
eCl@ss 7.0	27141152
eCl@ss 8.0	27371601
eCl@ss 9.0	27371601

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Classifications

ETIM

ETIM 2.0	EC001437
ETIM 3.0	EC001437
ETIM 4.0	EC001437
ETIM 5.0	EC001437
ETIM 6.0	EC001437