

Input/output module - IOA REL 24V DI/BFI/1.0A/EX - 2910155

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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 input, fused with blown fuse indication, active circuit indication, 24 V DC.

Your advantages

- ✓ Power line blown fuse indication
- ✓ Active relay coil indication
- ✓ 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 pc
GTIN	 4 055626 447292
GTIN	4055626447292
Weight per Piece (excluding packing)	20.000 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
-------------------------	---

Dimensions

Width	10.3 mm
Height	64.2 mm
Depth	72.9 mm

Input/output module - IOA REL 24V DI/BFI/1.0A/EX - 2910155

Technical data

Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Permissible humidity (operation)	0 % ... 95 % (non-condensing)

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	7 mA
Typical response time	5 ms
Typical release time	8 ms
Protective circuit	Reverse polarity protection Polarity protection diode
	Free-wheeling diode Damping diode
Operating voltage display	Yellow LED

Contact side

Contact type	1 N/O contact
Type of switch contact	Single contact
Contact material	AgSnO ₂ , hard gold-plated
Maximum switching voltage	24 V DC
Minimum switching voltage	100 mV (at 10 mA)
Min. switching current	1 mA (at 24 V)
Maximum inrush current	50 mA
Limiting continuous current	50 mA
Interrupting rating (ohmic load) max.	1.2 W (at 24 V DC)

Connection data

Connection name	Control circuits
Connection method	Pin strip

General

Operating mode	100% operating factor
Degree of protection	IP20
Mechanical service life	2x 10 ⁷ cycles
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

Input/output module - IOA REL 24V DI/BFI/1.0A/EX - 2910155

Technical data

Standards and Regulations

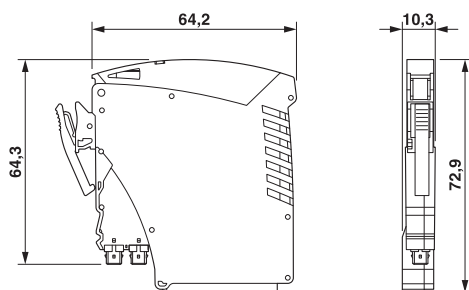
	ANSI/IEC 60529
	FM 3600; 3611; 3810
ATEX	Sira 17ATEX4293X; II 3G Ex nA nC IIC T4 Gc
IECEX	IECEX SIR 17.0078X; Ex nA nC IIC T4 Gc
UL, USA/Canada	Class I, Div. 2, Groups A, B, C, D T4 Class I, Zone 2, IIC T4
CSA, USA/Canada	Non-incendive: Class I, Div. 2, Groups A, B, C, D T4 Class I, Zone 2, AEx nA nC IIC T4 Gc Connection to Class I, II, III, Div. 2, Groups A, B, C, D, E, F, G Non-incendive: Class I, Div. 2, Groups A, B, C, D T4 Ex nA nC IIC T4 Gc Connection to Class I, II, and III, Zone 2, Groups A, B, C, D, E, F, G

Environmental Product Compliance

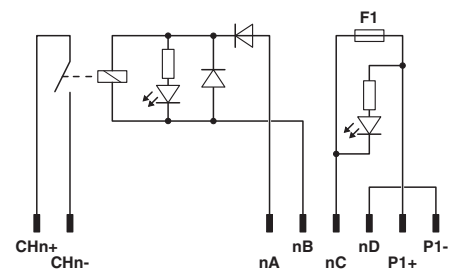
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Dimensional drawing



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

Input/output module - IOA REL 24V DI/BFI/1.0A/EX - 2910155

Classifications

ETIM

ETIM 2.0	EC001437
ETIM 3.0	EC001437
ETIM 4.0	EC001437
ETIM 5.0	EC001437
ETIM 6.0	EC001437
ETIM 7.0	EC001437