

Safety relays - REL-SR- 24DC/2X21 - 2961574

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Safety relay with forcibly guided contacts in acc. with DIN EN 50205, contact type 2 PDTs. The requirements for type A in accordance with EN 50205 are fulfilled when the wiring topology is 1 NO / 1 NC.

Product Features

- Like all PSR safety relays, equipped with forcibly guided contacts according to EN 50205
- Single-channel control



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	10 pc
Weight per Piece (excluding packing)	23.37 g
Custom tariff number	85364900
Country of origin	Czech Republic

Technical data

Dimensions

Width	12.6 mm
Height	29 mm
Depth	25.5 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 70 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C

Input data

Nominal input voltage U_N	24 V DC
Typical input current at U_N	29 mA
Typical response time	10 ms

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Technical data

Input data

Typical release time	4 ms
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Output data

Contact type	2 PDT
Contact material	AgNi
Minimum switching voltage	15 V
Maximum switching voltage	250 V AC/DC
Limiting continuous current	6 A (N/O contact)
	6 A (N/C contact)
Inrush current, minimum	10 mA
Maximum inrush current	6 A
Interrupting rating (ohmic load) max.	144 W (24 V DC, $\tau = 0$ ms)
	288 W (48 V DC, $\tau = 0$ ms)
	88 W (110 V DC, $\tau = 0$ ms)
	110 W (220 V DC, $\tau = 0$ ms)
	1500 VA (250 V AC, $\tau = 0$ ms)
Switching capacity min.	0.24 W

General

Relay type	Electromechanical relay with forcibly guided contacts in accordance with EN 50205
Mechanical service life	Approx. 10^7 cycles
Net weight	16.995 g
Degree of protection	IP20

Connection data

Connection method	pluggable
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Standards and Regulations

Designation	Air clearances and creepage distances between the power circuits
Standards/regulations	DIN EN 50178
	IEC 60664-1
Rated insulation voltage	250 V AC
Rated surge voltage/insulation	6 kV / Safe isolation, increased insulation
Degree of pollution	2
Overvoltage category	III

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Classifications

eCl@ss

eCl@ss 4.0	27371102
eCl@ss 4.1	27371102
eCl@ss 5.0	27371901
eCl@ss 5.1	27371901
eCl@ss 6.0	27371819
eCl@ss 7.0	27371819
eCl@ss 8.0	27371601

ETIM

ETIM 2.0	EC000196
ETIM 3.0	EC001449
ETIM 4.0	EC001449
ETIM 5.0	EC001437

UNSPSC

UNSPSC 6.01	30211901
UNSPSC 7.0901	39121501
UNSPSC 11	39121501
UNSPSC 12.01	39121501
UNSPSC 13.2	39121501

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approvals submitted

Approval details

EAC

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Drawings

Circuit diagram

