

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



2961574

<https://www.phoenixcontact.com/us/products/2961574>

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Safety relay with force-guided contacts in accordance with EN 50205, contact switching type 2 changeover contacts, connection suitable for PCB mounting. The requirements for type A in accordance with EN 50205 are satisfied if the circuit is designed as 1 N/O contact / 1 N/C contact.

Your advantages

- Like all PSR safety relays, equipped with force-guided contacts in accordance with EN 50205
- 1-channel control

Commercial data

Item number	2961574
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN01
Product key	DNA162
GTIN	4017918996796
Weight per piece (including packing)	23.26 g
Weight per piece (excluding packing)	16.995 g
Customs tariff number	85364190
Country of origin	CZ

Technical data

Product properties

Product type	Single relay
Mechanical service life	approx. 10 ⁷ cycles
Relay type	Electromechanical relay with force-guided contacts in accordance with IEC/EN 61810-3

Insulation characteristics: Air clearances and creepage distances between the power circuits

Insulation	Safe isolation, reinforced insulation
Overvoltage category	III
Degree of pollution	2

Data management status

Date of last data management	05.09.2025
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Electrical properties

Air clearances and creepage distances between the power circuits

Rated insulation voltage	250 V AC
Rated surge voltage	6 kV

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

Air clearances and creepage distances between the power circuits

Standards/regulations	DIN EN 50178
	IEC 60664-1

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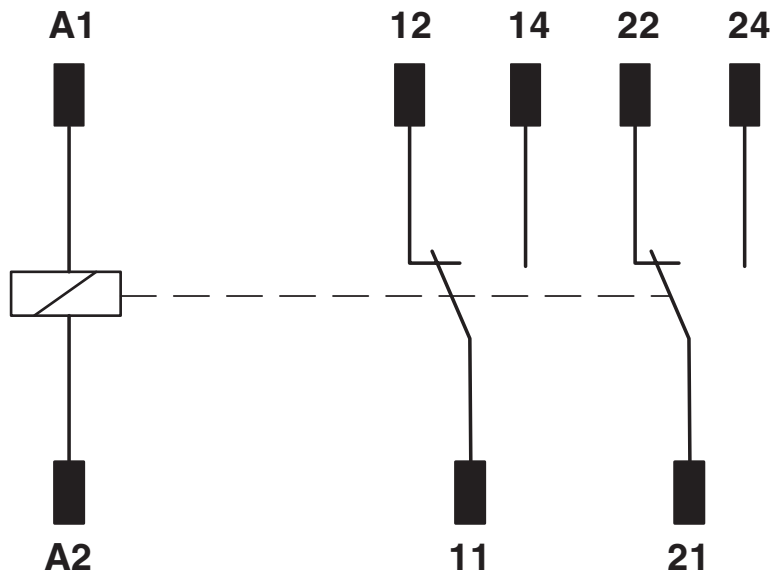


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Drawings

Block diagram



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Classifications

UNSPSC

UNSPSC 21.0	39122300
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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