

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



2961574

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

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 documentation. Our general terms of use for downloads are valid.



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 <sup>7</sup> 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
------------------------------	------------

### 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

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

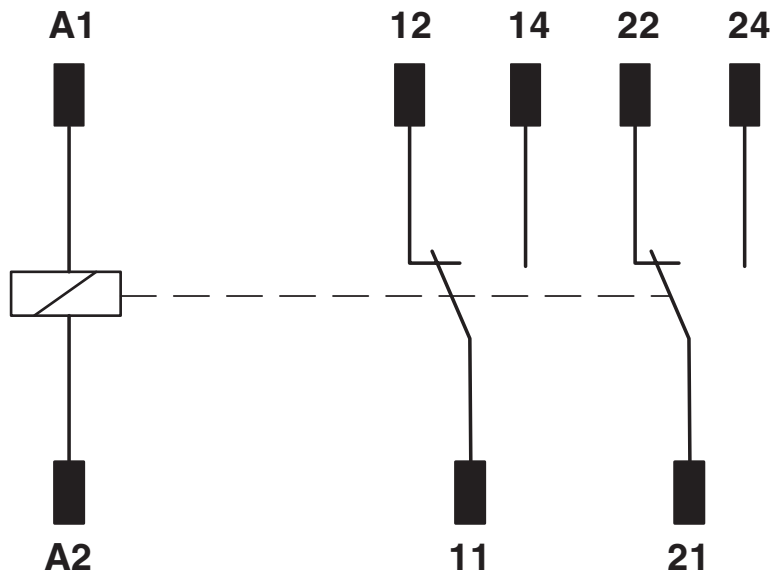


2961574

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

## Drawings

Block diagram



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



2961574

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

## Classifications

### UNSPSC

UNSPSC 21.0	39122300
-------------	----------

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



2961574

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

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

### 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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)