

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 |
|------------------------------|------------|

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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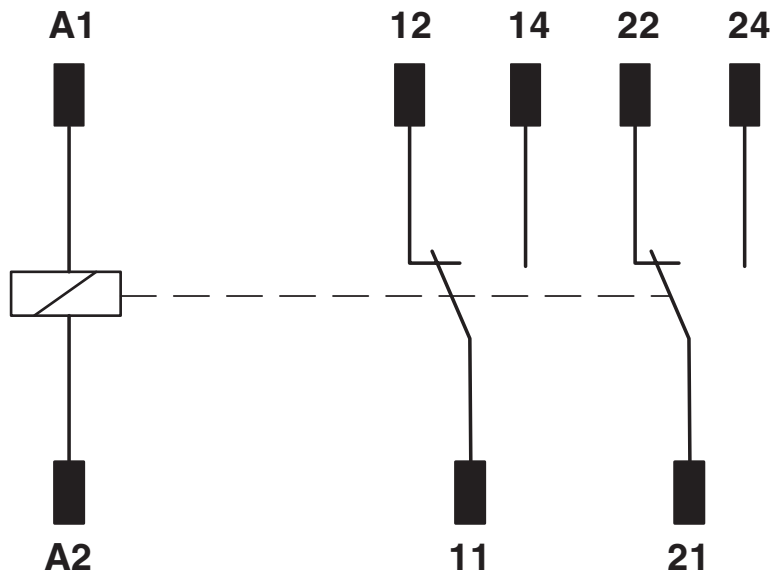


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Drawings

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 |
|---|--------------------|

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