

# REL-OR- 24DC/2X21 - Single relay



2834232

<https://www.phoenixcontact.com/us/products/2834232>

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.



Plug-in octal relays with power contacts, 2 changeover contacts, test button, mechanical switching position indicator, coil voltage: 24 V DC

## Your advantages

- With detectable manual operation
- Extremely rugged design
- Mechanical switch position indicator

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 2834232                        |
| Packing unit                         | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | C460                           |
| Product key                          | CK6193                         |
| Catalog page                         | Page 390 (C-7-2015)            |
| GTIN                                 | 4017918941758                  |
| Weight per piece (including packing) | 105 g                          |
| Weight per piece (excluding packing) | 101 g                          |
| Customs tariff number                | 85364190                       |
| Country of origin                    | CN                             |

# REL-OR- 24DC/2X21 - Single relay

2834232

<https://www.phoenixcontact.com/us/products/2834232>



## Technical data

### Product properties

|                         |                            |
|-------------------------|----------------------------|
| Product type            | Single relay               |
| Operating mode          | 100% operating factor      |
| Mechanical service life | 10x 10 <sup>6</sup> cycles |

### Insulation characteristics

|                      |    |
|----------------------|----|
| Overvoltage category | II |
| Pollution degree     | 3  |

### Electrical properties

|                                                 |                                            |
|-------------------------------------------------|--------------------------------------------|
| Service life electrical                         | see diagram                                |
| Maximum power dissipation for nominal condition | 1.34 W                                     |
| Test voltage (Winding/contact)                  | 2.5 kV AC (50 Hz, 1 min., winding/contact) |
| Test voltage (Contact/contact)                  | 2.5 kV AC (50 Hz, 1 min., contact/contact) |

### Input data

#### Coil side

|                                                    |                         |
|----------------------------------------------------|-------------------------|
| Nominal input voltage U <sub>N</sub>               | 24 V DC                 |
| Input voltage range                                | 19.2 V DC ... 26.4 V DC |
| Input voltage range in reference to U <sub>N</sub> | 0.8 ... 1.1             |
| Drive and function                                 | monostable              |
| Typical input current at U <sub>N</sub>            | 56 mA                   |
| Typical response time                              | 12 ms                   |
| Typical release time                               | 6 ms                    |
| Coil resistance                                    | 430 Ω ±15 % (at 20 °C)  |

### Output data

#### Switching

|                                       |                        |
|---------------------------------------|------------------------|
| Contact switching type                | 2 changeover contacts  |
| Type of switch contact                | Single contact         |
| Contact material                      | AgSnIn                 |
| Maximum switching voltage             | 250 V AC/DC            |
| Minimum switching voltage             | 1 V                    |
| Limiting continuous current           | 10 A (N/O contact)     |
|                                       | 5 A (N/C contact)      |
| Maximum inrush current                | on request             |
| Min. switching current                | 10 mA                  |
| Interrupting rating (ohmic load) max. | 2500 VA (for 250 V AC) |

### Connection data

|                   |                    |
|-------------------|--------------------|
| Connection method | Plug-in connection |
|-------------------|--------------------|

# REL-OR- 24DC/2X21 - Single relay



2834232

<https://www.phoenixcontact.com/us/products/2834232>

## Dimensions

|        |         |
|--------|---------|
| Width  | 34.5 mm |
| Height | 34.5 mm |
| Depth  | 52.5 mm |

## Environmental and real-life conditions

### Ambient conditions

|                                         |                  |
|-----------------------------------------|------------------|
| Degree of protection                    | RT I             |
| Ambient temperature (operation)         | -40 °C ... 60 °C |
| Ambient temperature (storage/transport) | -40 °C ... 60 °C |

## Standards and regulations

|                       |           |
|-----------------------|-----------|
| Standards/regulations | IEC 60664 |
|-----------------------|-----------|

## Mounting

|                       |                   |
|-----------------------|-------------------|
| Assembly instructions | On relay base PR3 |
| Mounting position     | any               |

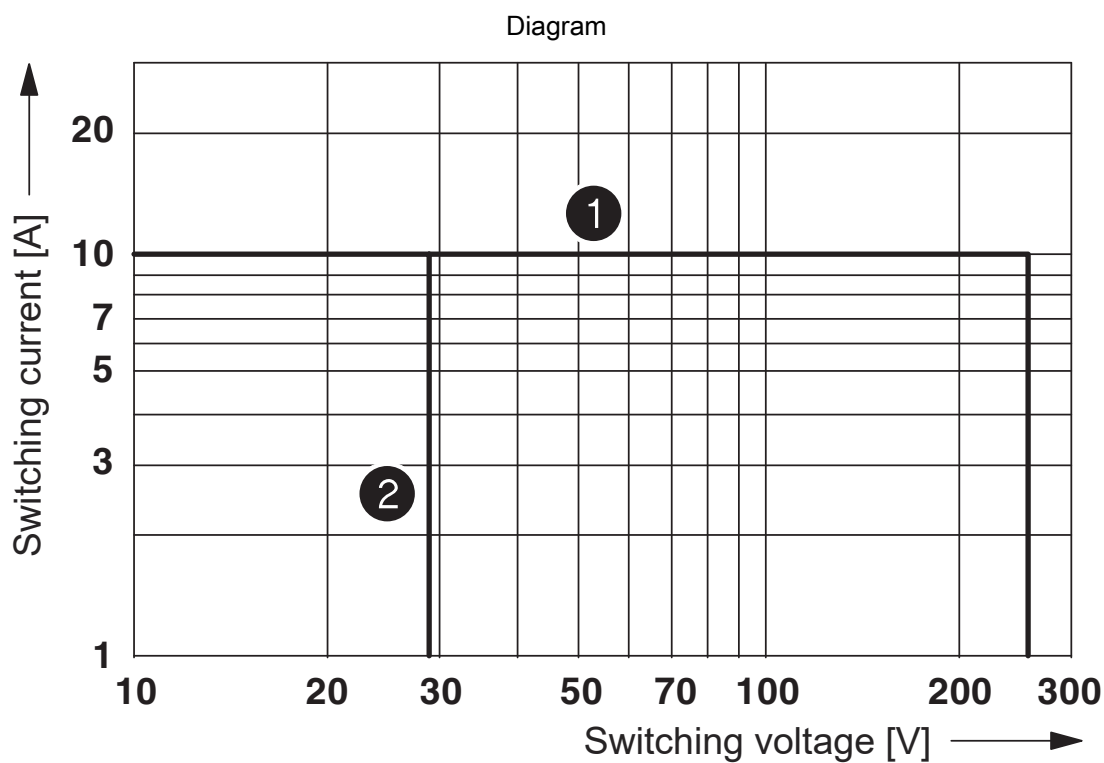
# REL-OR- 24DC/2X21 - Single relay

2834232

<https://www.phoenixcontact.com/us/products/2834232>



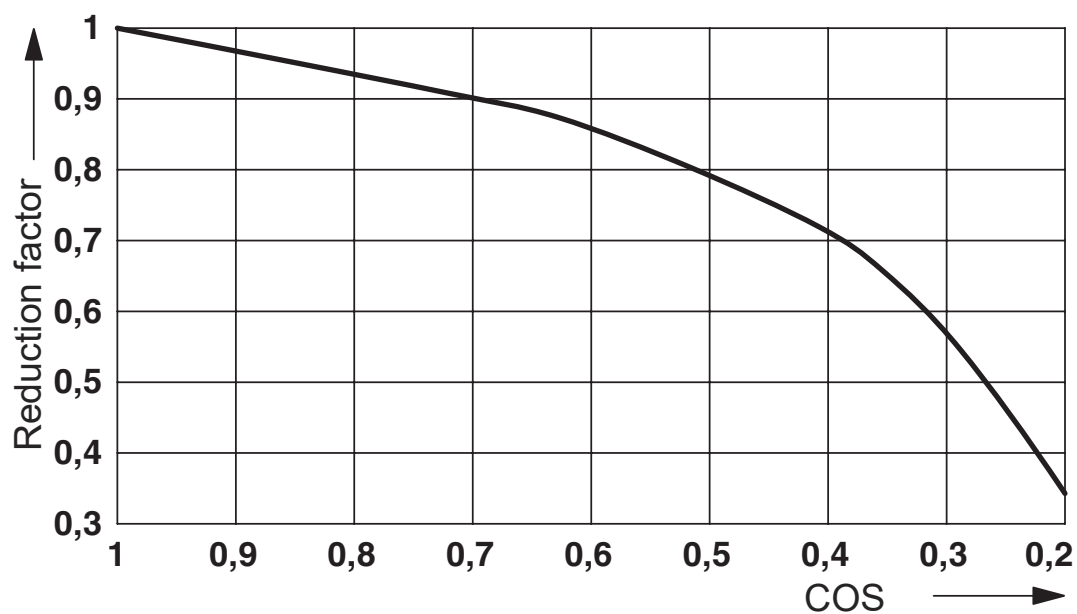
## Drawings



- ① AC, ohmic load
- ② DC, ohmic load

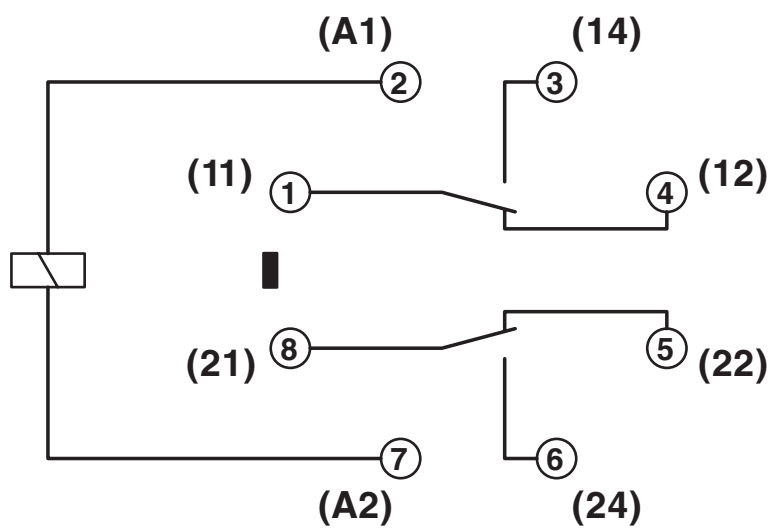
Interrupting rating

Diagram



Service life reduction factor with various cos phi

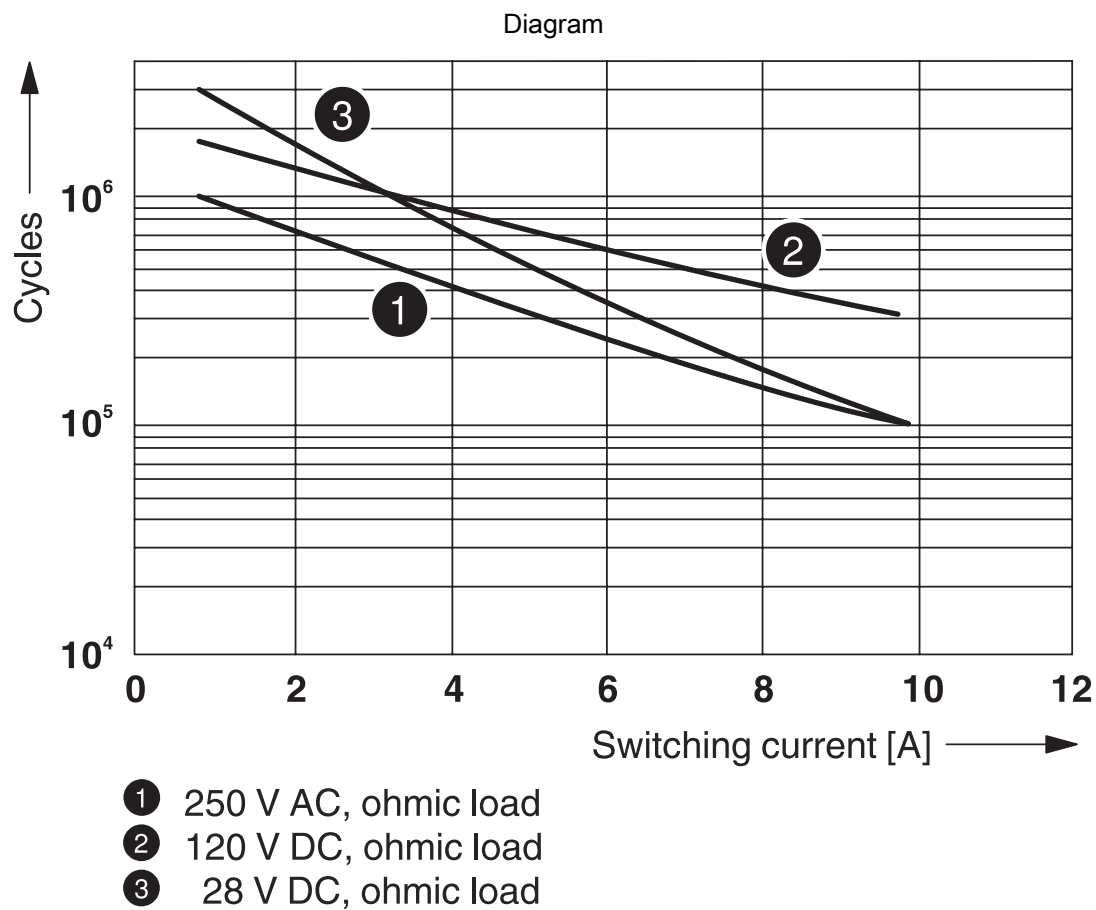
Circuit diagram



# REL-OR- 24DC/2X21 - Single relay

2834232

<https://www.phoenixcontact.com/us/products/2834232>



Electrical service life

# REL-OR- 24DC/2X21 - Single relay



2834232

<https://www.phoenixcontact.com/us/products/2834232>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27371601 |
|-------------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39122334 |
|-------------|----------|

# REL-OR- 24DC/2X21 - Single relay



2834232

<https://www.phoenixcontact.com/us/products/2834232>

## Environmental product compliance

|            |                                                         |
|------------|---------------------------------------------------------|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

Phoenix Contact 2024 © - 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)