

# REL-IRG 24 - Single relay



2960261  
<https://www.phoenixcontact.com/gb/products/2960261>

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Industrial relay, size 1, contact: 4 changeover contacts, input voltage 24 V DC

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 2960261                        |
| Packing unit                         | 10 pc                          |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | CK6193                         |
| Product key                          | CK6193                         |
| Catalog page                         | Page 105 (IF-2002)             |
| GTIN                                 | 4017918086671                  |
| Weight per piece (including packing) | 39.37 g                        |
| Weight per piece (excluding packing) | 36.079 g                       |
| Customs tariff number                | 85364190                       |
| Country of origin                    | JP                             |

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## Technical data

### Product properties

|                         |                                |
|-------------------------|--------------------------------|
| Product type            | Single relay                   |
| Operating mode          | 100% operating factor          |
| Mechanical service life | approx. $5 \times 10^7$ cycles |

### Insulation characteristics

|                      |    |
|----------------------|----|
| Overvoltage category | II |
| Pollution degree     | 2  |

### Electrical properties

|                                                      |                                                                |
|------------------------------------------------------|----------------------------------------------------------------|
| Maximum power dissipation for nominal condition      | 0.91 W                                                         |
| Test voltage (Winding/contact)                       | 2 kV AC (50 Hz, 1 min., winding/contact)                       |
| Test voltage (Changeover contact/changeover contact) | 2 kV AC (50 Hz, 1 min., changeover contact/changeover contact) |

### Input data

#### Coil side

|                                           |                        |
|-------------------------------------------|------------------------|
| Nominal input voltage $U_N$               | 24 V DC                |
| Input voltage range                       | 18.7 V DC ... 36 V DC  |
| Input voltage range in reference to $U_N$ | see diagram            |
| Drive and function                        | monostable             |
| Drive (polarity)                          | non-polarized          |
| Typical input current at $U_N$            | 38 mA                  |
| Typical response time                     | 13 ms                  |
| Typical release time                      | 8 ms                   |
| Coil resistance                           | $630 \Omega \pm 15 \%$ |

### Output data

#### Switching

|                                       |                                       |
|---------------------------------------|---------------------------------------|
| Contact switching type                | 4 changeover contacts                 |
| Type of switch contact                | Single contact                        |
| Contact material                      | AgNi, hard gold-plated                |
| Maximum switching voltage             | 250 V AC<br>125 V DC                  |
| Minimum switching voltage             | 1 V                                   |
| Limiting continuous current           | 5 A                                   |
| Maximum inrush current                | 12 A (15 ms)                          |
| Min. switching current                | 1 mA                                  |
| Interrupting rating (ohmic load) max. | see diagram<br>1250 VA (for 250 V AC) |

### Environmental and real-life conditions

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### Ambient conditions

|                                         |                  |
|-----------------------------------------|------------------|
| Ambient temperature (operation)         | -55 °C ... 70 °C |
| Ambient temperature (storage/transport) | -55 °C ... 70 °C |

### Standards and regulations

|                       |              |
|-----------------------|--------------|
| Standards/regulations | IEC 60664    |
|                       | IEC 60664A   |
|                       | DIN VDE 0110 |

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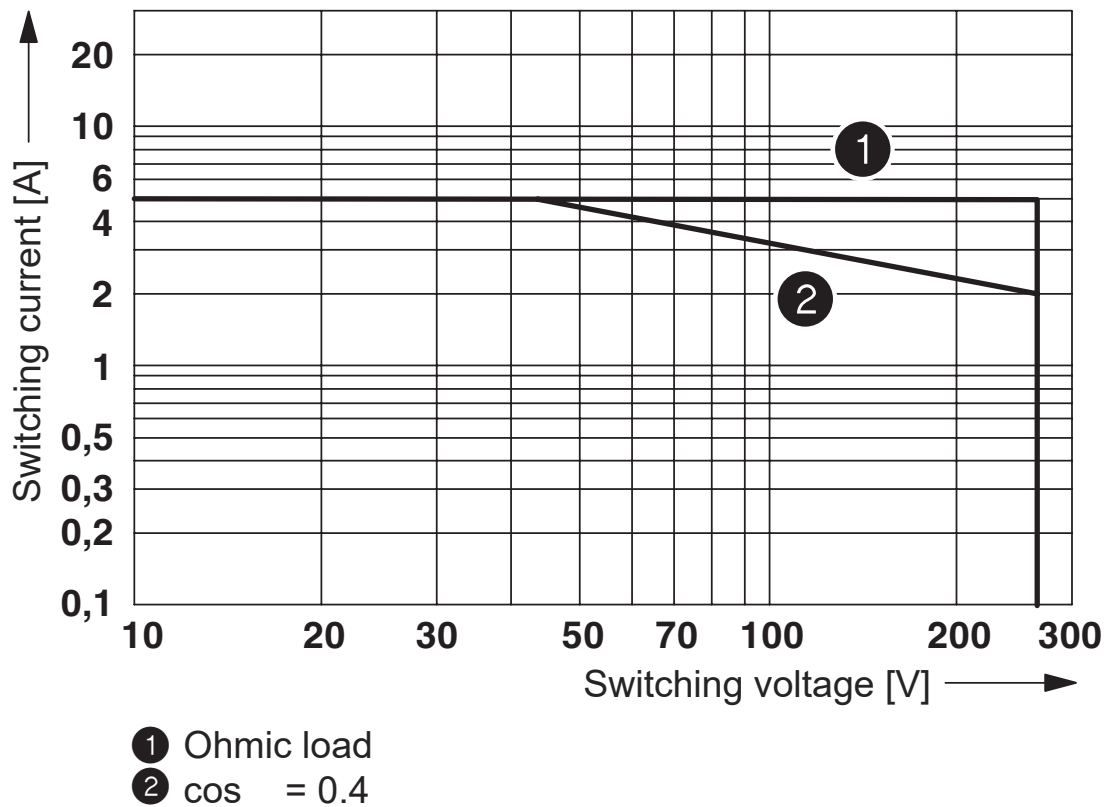
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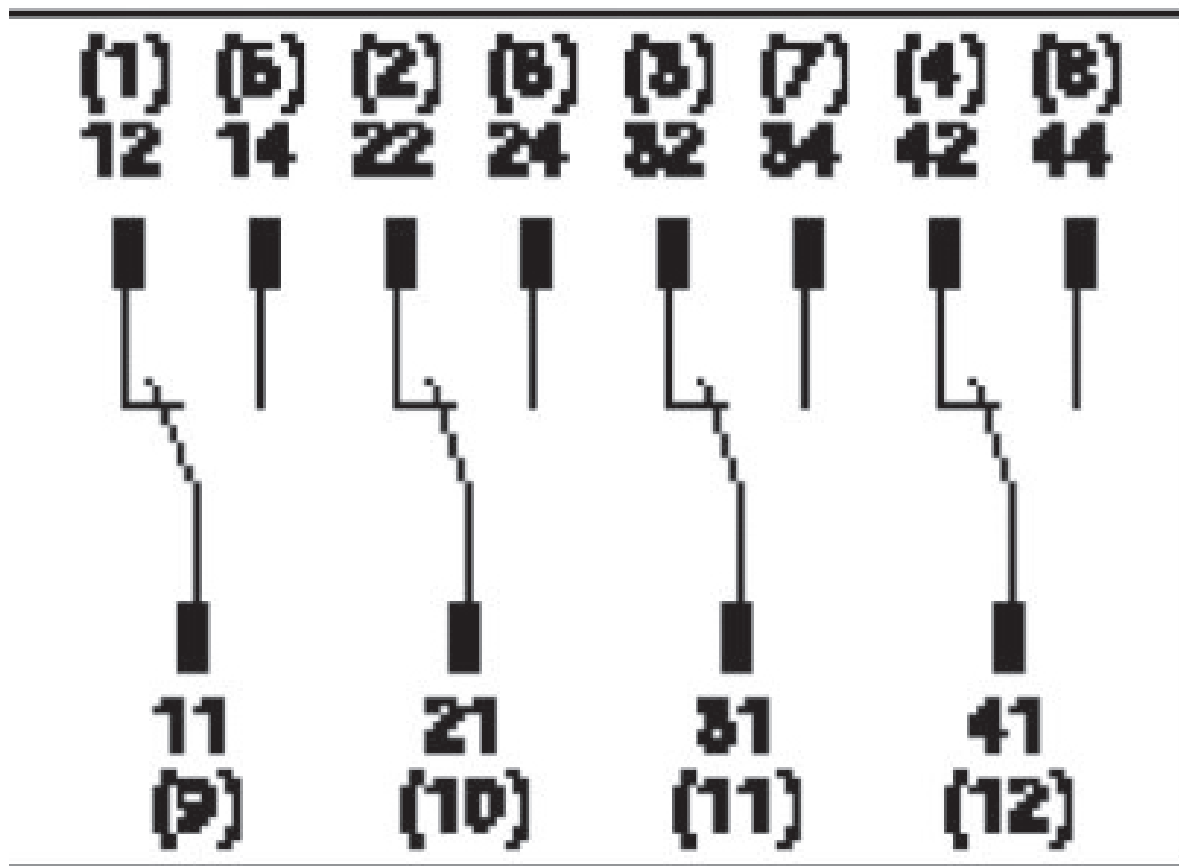
## Drawings

Diagram

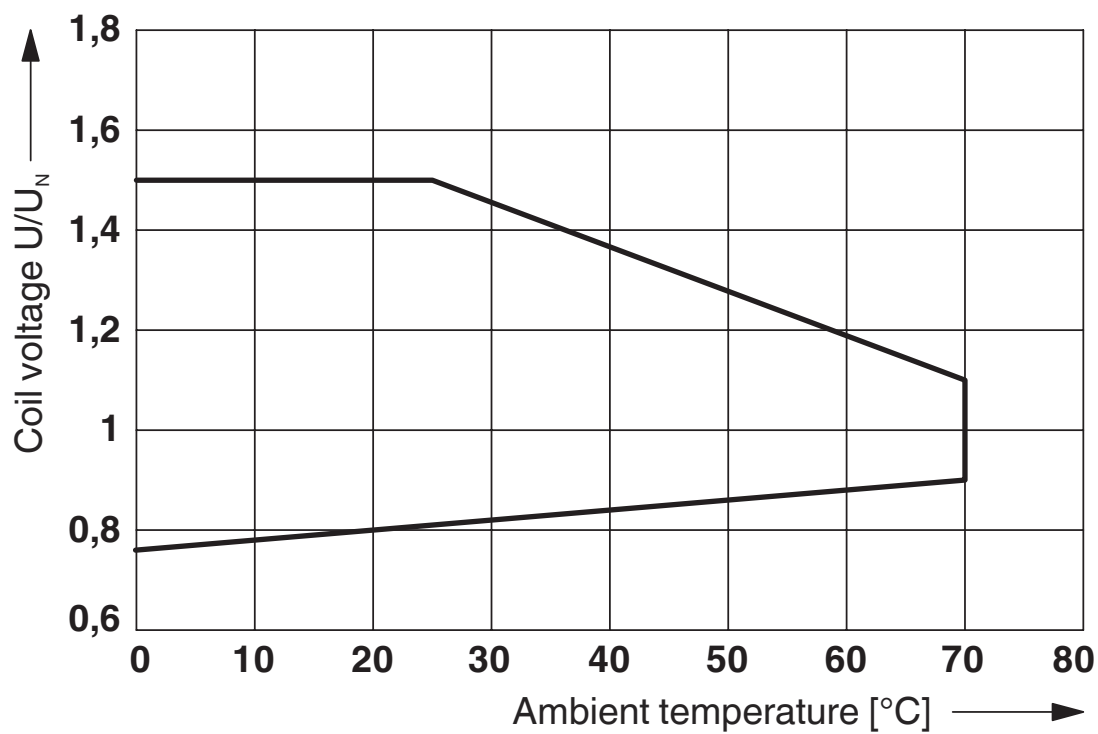


AC interrupting rating

Circuit diagram



Diagram



Operating voltage range

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## Approvals

📄 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/2960261>



**EAC**

Approval ID: TR\_TS\_D\_00573\_c



**EAC**

Approval ID: RU\*C-DE.\*08.B.00010

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27371601 |
| ECLASS-12.0 | 27371601 |
| ECLASS-13.0 | 27371601 |

### ETIM

|          |          |
|----------|----------|
| ETIM 8.0 | EC001437 |
|----------|----------|

### UNSPSC

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

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## Environmental product compliance

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

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