

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 | 10 pc |
| Sales key | DK6949 |
| Product key | DK6949 |
| 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. 5×10^7 cycles |

Insulation characteristics

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

Data management status

| | |
|------------------------------|------------|
| Date of last data management | 19.03.2025 |
|------------------------------|------------|

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 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 |

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| | |
|--|------------------------|
| | 1250 VA (for 250 V AC) |
|--|------------------------|

Environmental and real-life conditions

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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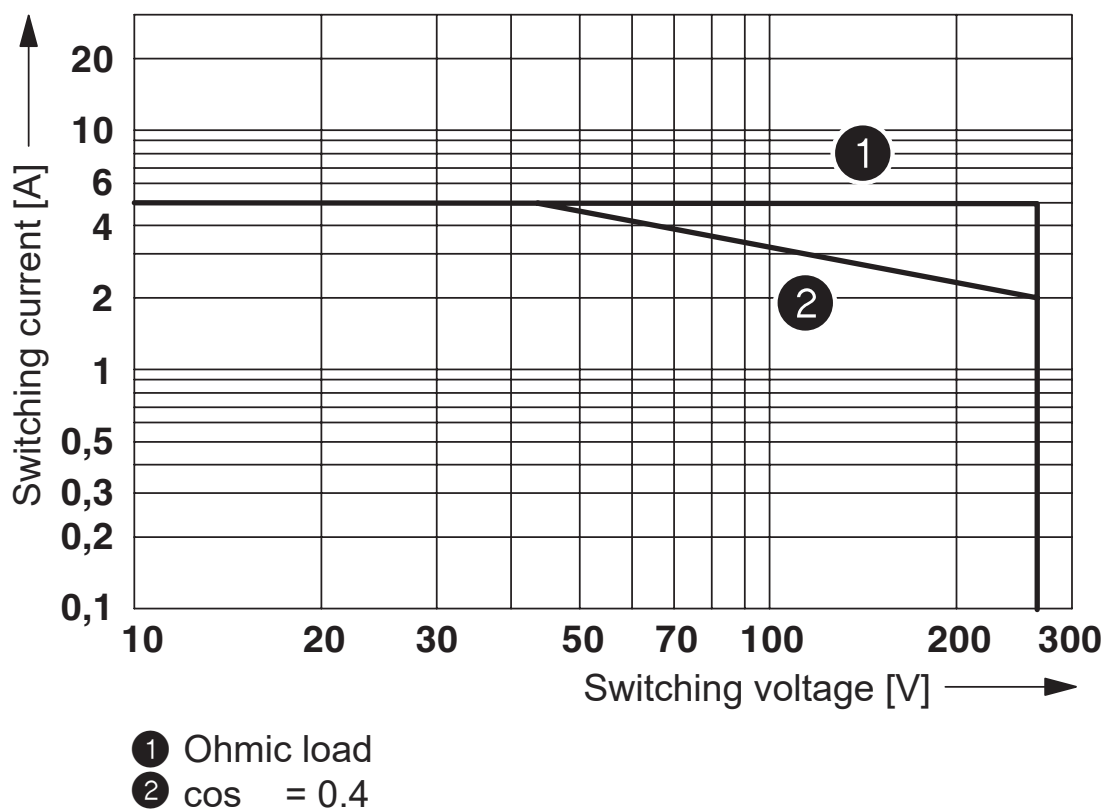
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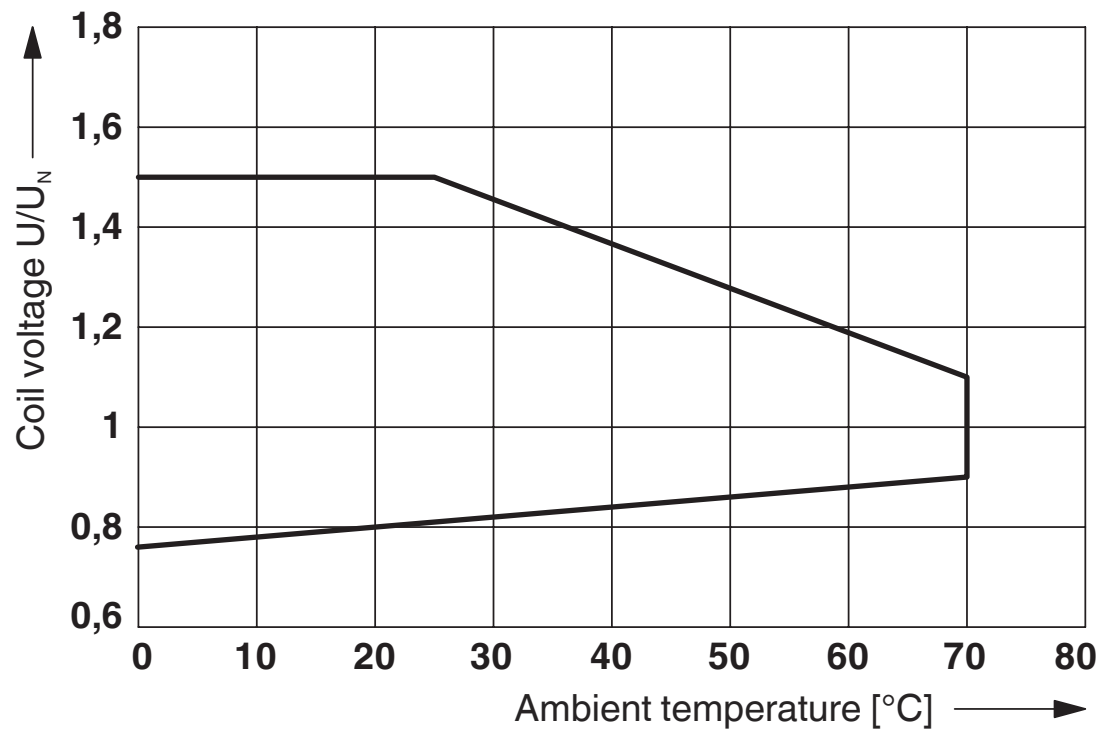
Drawings

Diagram



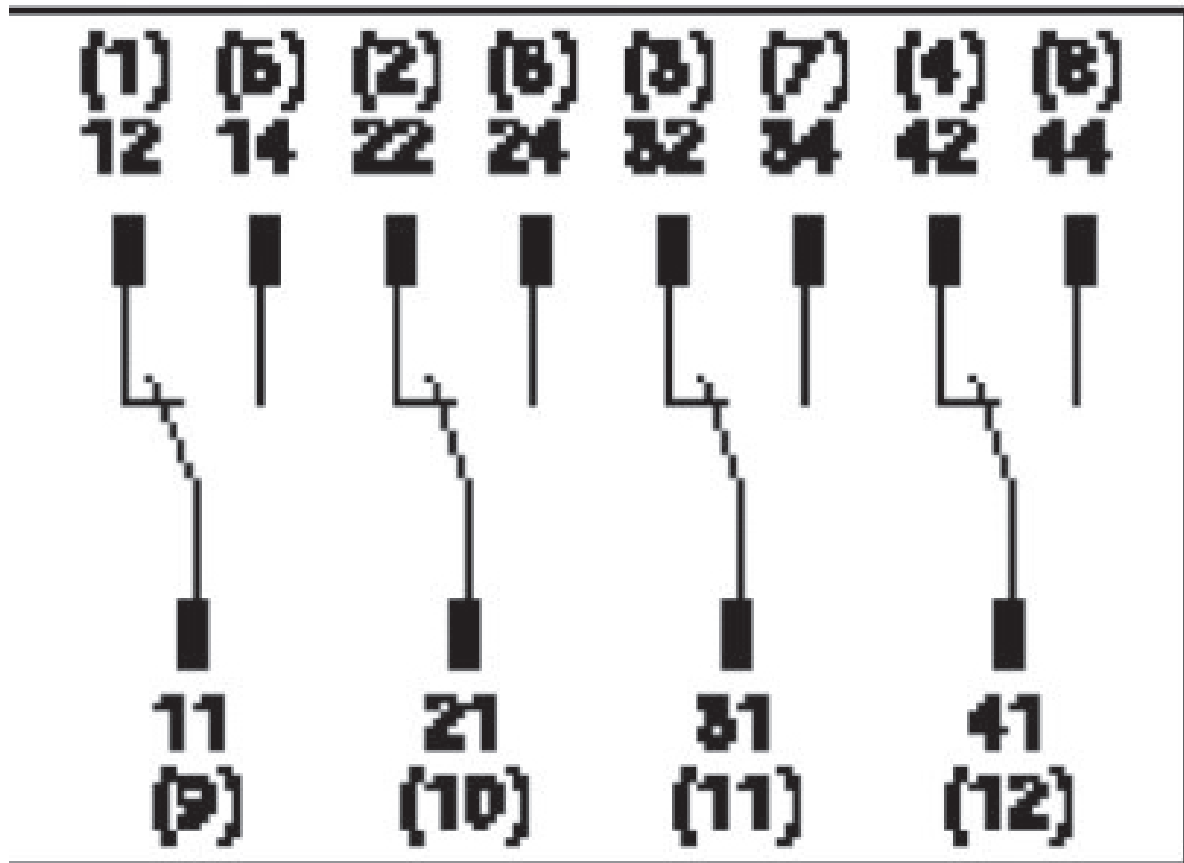
AC interrupting rating

Diagram



Operating voltage range

Circuit diagram



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Approvals

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EAC

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

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27371601 |
|-------------|----------|

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC001437 |
|----------|----------|

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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