

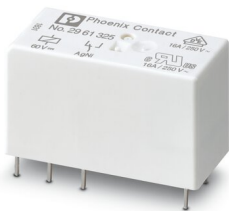
REL-MR- 60DC/21HC - Single relay



2961325

<https://www.phoenixcontact.com/us/products/2961325>

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Plug-in miniature power relay, with power contact for high continuous currents, 1 changeover contact, 60 V DC

Your advantages

- Switching current of up to 16 A

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2961325 |
| Packing unit | 1 pc |
| Minimum order quantity | 10 pc |
| Note | Made to order (non-returnable) |
| Sales key | C460 |
| Product key | CK6195 |
| Catalog page | Page 290 (C-5-2019) |
| GTIN | 4017918187583 |
| Weight per piece (including packing) | 16.26 g |
| Weight per piece (excluding packing) | 14.65 g |
| Customs tariff number | 85364900 |
| Country of origin | AT |

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Technical data

Product properties

| | |
|-------------------------|---------------------------|
| Product type | Single relay |
| Operating mode | 100% operating factor |
| Mechanical service life | 3x 10 ⁷ cycles |

Insulation characteristics

| | |
|----------------------|-----|
| Overvoltage category | III |
| Pollution degree | 3 |

Electrical properties

| | |
|---|--|
| Service life electrical | see diagram |
| Maximum power dissipation for nominal condition | 0.49 W |
| Test voltage (Winding/contact) | 5 kV AC (50 Hz, 1 min., winding/contact) |

Input data

Coil side

| | |
|---|-------------------------|
| Nominal input voltage U _N | 60 V DC |
| Input voltage range | 39 V DC ... 144 V DC |
| Drive and function | monostable |
| Drive (polarity) | non-polarized |
| Typical input current at U _N | 8.2 mA |
| Typical response time | 7 ms |
| Typical release time | 3 ms |
| Coil resistance | 7340 Ω ±15 % (at 20 °C) |

Output data

Switching

| | |
|---------------------------------------|------------------------|
| Contact switching type | 1 changeover contact |
| Type of switch contact | Single contact |
| Contact material | AgNi |
| Maximum switching voltage | 250 V AC/DC |
| Minimum switching voltage | 12 V (at 10 mA) |
| Limiting continuous current | 16 A |
| Maximum inrush current | 50 A (20 ms) |
| Min. switching current | 10 mA (at 12 V) |
| Interrupting rating (ohmic load) max. | 384 W (at 24 V DC) |
| | 58 W (at 48 V DC) |
| | 48 W (at 60 V DC) |
| | 50 W (at 110 V DC) |
| | 80 W (at 220 V DC) |
| | 4000 VA (for 250 V AC) |

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| | |
|--------------------------------|--------------------------------|
| Switching capacity | 2 A (at 24 V, DC13) |
| | 0.2 A (at 110 V, DC13) |
| | 0.2 A (at 250 V, DC13) |
| | 6 A (at 24 V, AC15) |
| | 6 A (at 120 V, AC15) |
| | 6 A (at 250 V, AC15) |
| Motor load according to UL 508 | 1/2 HP, 120 V AC (N/O contact) |
| | 1 HP, 240 V AC (N/O contact) |
| | 1/3 HP, 120 V AC (N/C contact) |
| | 3/4 HP, 240 V AC (N/C contact) |
| | 1/4 HP, 200 ... 250 V AC |

Connection data

| | |
|-------------------|--------------------------|
| Connection method | Plug / solder connection |
|-------------------|--------------------------|

Dimensions

| | |
|---------------------|--|
| Dimensional drawing |  |
| Width | 12.7 mm |
| Height | 29 mm |
| Depth | 15.7 mm |

Environmental and real-life conditions

| | |
|---|------------------|
| Ambient conditions | |
| Degree of protection | RT II |
| Ambient temperature (operation) | -40 °C ... 85 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |

Approvals

| | |
|--------------------|----------------------------|
| Corrosive gas test | |
| Identification | ISA-S71.04. G3 Harsh Group |
| | EN 60068-2-60 |

Standards and regulations

| | |
|-----------------------|------------|
| Standards/regulations | IEC 60664 |
| | EN 50178 |
| | EN 61810-1 |

Mounting

| | |
|-----------------------|---|
| Assembly instructions | Can be aligned without spacing (> 70 °C ≥ 2.5 mm) |
| Mounting position | any |

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2961325>



cUL Recognized
Approval ID: FILE E 228652



UL Recognized
Approval ID: FILE E 228652



EAC
Approval ID: RU C-DE.A*30.B.01082



UL Recognized
Approval ID: FILE E 228652



VDE Zeichengenehmigung
Approval ID: 40007758



cUL Recognized
Approval ID: FILE E 228652

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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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