2903675

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Plug-in industrial relay with power contacts and additional hard gold plating, 4 changeover contacts, test button, status LED, freewheeling diode, mechanical switching position indicator, polarity: A1+, A2-, coil voltage: 220 V DC

Commercial data

| Item number | 2903675 |
|--------------------------------------|---------------------|
| Packing unit | 10 pc |
| Minimum order quantity | 10 pc |
| Sales key | C460 |
| Product key | CK6193 |
| Catalog page | Page 300 (C-5-2019) |
| GTIN | 4046356758888 |
| Weight per piece (including packing) | 33.74 g |
| Weight per piece (excluding packing) | 33.65 g |
| Customs tariff number | 85364900 |
| Country of origin | PL |

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Technical data

Product properties

Electrical properties

| Service life electrical | see diagram |
|--|--|
| Maximum power dissipation for nominal condition | 0.88 W |
| Test voltage (Winding/contact) | 2.5 kV _{rms} (50 Hz, 1 min., winding/contact) |
| Test voltage (Changeover contact/changeover contact) | 2 kV _{rms} (50 Hz, 1 min., changeover contact/changeover contact) |
| Rated insulation voltage | 250 V AC |
| Rated surge voltage | 2.5 kV |

Input data

| Coil side | |
|---|---------------------------|
| Nominal input voltage U _N | 220 V DC |
| Input voltage range | 176 V DC 396 V DC (20 °C) |
| Drive and function | monostable |
| Drive (polarity) | polarized |
| Typical input current at U _N | 4 mA |
| Typical response time | 13 ms |
| Typical release time | 14 ms |
| Protective circuit | Freewheeling diode |
| Status display | Yellow LED |

Output data

| Switching | |
|------------------------|--|
| Contact switching type | 4 changeover contacts |
| Type of switch contact | Single contact |
| Contact material | AgNi, hard gold-plated |
| Note | If the specified maximum values for multi-layer contact relays are exceeded, the gold plating is destroyed. The maximum values of the power contact relay are then valid. This can result in a shorter service life than with a pure power contact. |

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| Maximum switching voltage | 30 V AC |
|--|---|
| | 36 V DC |
| Minimum switching voltage | 2 V (At 24 mA) |
| Limiting continuous current | 50 mA |
| Maximum inrush current | 50 mA |
| Min. switching current | 2 mA (24 V DC) |
| Interrupting rating (ohmic load) max. | 1.2 W (at 24 V DC) |
| Switching capacity min. | 48 mW |
| Motor load according to UL 508 | 1/3 HP, 240 V AC |
| vitching: when the gold layer is destroyed | |
| Note | the following values are applicable if a gold |
| | layer is destroyed |
| Contact material | AgNi |
| Maximum switching voltage | 250 V AC/DC |
| Minimum switching voltage | 5 V (At 24 mA) |
| Limiting continuous current | 6 A |
| Maximum inrush current | 16 A (20 ms, N/O contacts) |
| Min. switching current | 5 mA (at 24 V) |
| Interrupting rating (ohmic load) max. | 144 W (at 24 V DC) |
| | 124 W (at 48 V DC) |
| | 108 W (at 60 V DC) |
| | 52 W (at 110 V DC) |
| | 48 W (at 220 V DC) |
| | 1500 VA (for 250□V□AC) |
| Switching capacity | 2 A (at 24 V, DC13) |
| | 0.22 A (at 120 V, DC13) |
| | 0.11 A (at 250 V, DC13) |
| | 1.5 A (at 24 V, AC15) |
| | 1.5 A (at 120 V, AC15) |
| | |

Connection data

Dimensions

| Width | 21.2 mm |
|--------|---------|
| Height | 27.5 mm |
| Depth | 35.6 mm |

Environmental and real-life conditions

| Ambient conditions | |
|---------------------------------|--------------|
| Degree of protection | RTI |
| Ambient temperature (operation) | -40 °C 70 °C |

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| 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 |
| | IEC 61810 |
| Mounting | |

Mounting position

any

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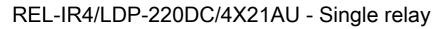
Classifications

ECLASS

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

ETIM

| | ETIM 9.0 | 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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