

Single relay - REL-OR-230AC/3X21 - 2834300

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Pluggable octal relay with power contacts, 3 PDT, test button, mechanical switching position indication, input voltage: 230 V AC

Product Features

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



Key Commercial Data

| | |
|--------------------------------------|----------|
| Packing unit | 1 pc |
| Minimum order quantity | 10 pc |
| Weight per Piece (excluding packing) | 85.85 g |
| Custom tariff number | 85364900 |
| Country of origin | China |

Technical data

Dimensions

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

Ambient conditions

| | |
|---|------------------|
| Ambient temperature (operation) | -40 °C ... 60 °C |
| Ambient temperature (storage/transport) | -40 °C ... 60 °C |

Coil side

| | |
|---|-------------|
| Nominal input voltage U_N | 230 V AC |
| Input voltage range in reference to U_N | 0.8 ... 1.1 |

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Coil side

| | |
|--------------------------------|--|
| Typical input current at U_N | 10 mA (at 50 Hz) |
| | 11 mA (At 60 Hz) |
| Typical response time | 5 ms ... 20 ms (AC, depending on phase relation) |
| Typical release time range | 5 ms ... 20 ms (AC, depending on phase relation) |
| Coil resistance | 6170 Ω \pm 15 % (at 20 °C) |

Contact side

| | |
|---------------------------------------|------------------------|
| Contact type | 3 PDTs |
| Contact material | AgSnIn |
| Maximum switching voltage | 250 V AC/DC |
| Minimum switching voltage | 1 V |
| Min. switching current | 10 mA |
| Maximum inrush current | on request |
| Limiting continuous current | 10 A (N/O contact) |
| | 5 A (N/C contact) |
| Interrupting rating (ohmic load) max. | 2500 VA (for 250 V AC) |

Connection data input side

| | |
|-------------------|-----------------|
| Connection name | Coil side |
| Connection method | Plug connection |

Connection data output side

| | |
|-------------------|-----------------|
| Connection name | Contact side |
| Connection method | Plug connection |

General

| | |
|--|-----------------------------|
| Test voltage relay winding/relay contact | 2.5 kV AC (50 Hz, 1 min.) |
| Test voltage relay contact/relay contact | 2.5 kV AC (50 Hz, 1 min.) |
| Operating mode | 100% operating factor |
| Mechanical service life | 10 x 10 ⁶ cycles |
| Standards/regulations | IEC 60664 |
| Degree of pollution | 3 |
| Overvoltage category | II |
| Mounting position | any |
| Assembly instructions | On relay base PR3 |

Standards and Regulations

| | |
|----------------------------------|-----------|
| Connection in acc. with standard | CUL |
| Standards/regulations | IEC 60664 |
| Degree of pollution | 3 |

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Technical data

Standards and Regulations

| | |
|----------------------|----|
| Overvoltage category | II |
|----------------------|----|

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27371104 |
| eCl@ss 4.1 | 27371104 |
| eCl@ss 5.0 | 27371001 |
| eCl@ss 5.1 | 27371001 |
| eCl@ss 6.0 | 27371001 |
| eCl@ss 7.0 | 27371001 |
| eCl@ss 8.0 | 27371601 |
| eCl@ss 9.0 | 27371601 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000196 |
| ETIM 3.0 | EC000196 |
| ETIM 4.0 | EC000196 |
| ETIM 5.0 | EC001437 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211916 |
| UNSPSC 7.0901 | 39121515 |
| UNSPSC 11 | 39121515 |
| UNSPSC 12.01 | 39121515 |
| UNSPSC 13.2 | 39121515 |

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized

Ex Approvals


Single relay - REL-OR-230AC/3X21 - 2834300

Approvals

Approvals submitted


Approval details

UL Recognized 

cUL Recognized 

EAC

EAC

cULus Recognized 

Accessories

Additional products

Relay socket - PR3-BSC1/3X21 - 2833615

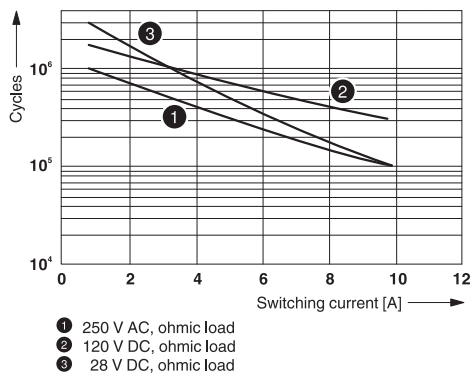


Relay socket PR3..., for octal relay REL-OR with 3 PDT, screw connections, connection facility for input/interference suppression modules, for mounting on NS 35/7.5

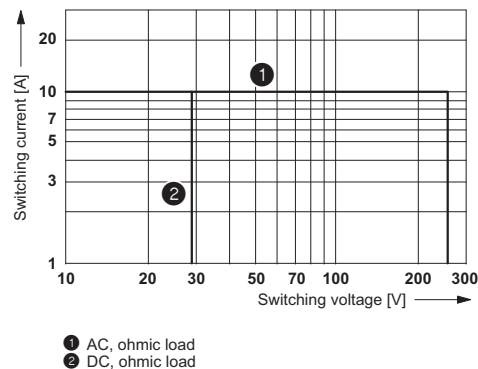
Drawings

Single relay - REL-OR-230AC/3X21 - 2834300

Diagram



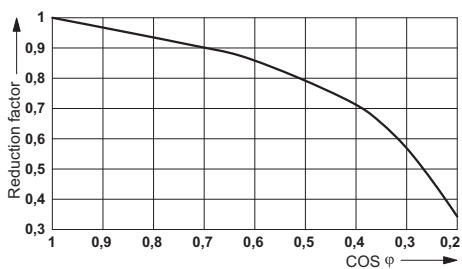
Diagram



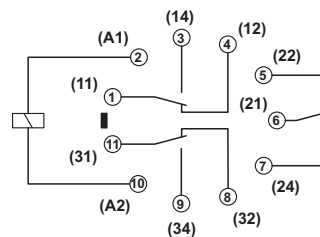
Electrical service life

Interrupting rating

Diagram



Circuit diagram



Service life reduction factor with various cos phi

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