

# Single relay - REL-OR-230AC/2X21 - 2834261

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Pluggable octal relay with power contacts, 2 PDT, test button, mechanical switching position indication, coil voltage 230 V AC

## Product Features

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

## Key commercial data

<b>package_quantity</b>	10
<b>GTIN</b>	4017918941871

## Technical data

### Dimensions

<b>Width</b>	34.5 mm
<b>Height</b>	34.5 mm
<b>Depth</b>	52.5 mm

### Ambient conditions

<b>Ambient temperature (operation)</b>	-40 °C ... 60 °C
<b>Ambient temperature (storage/transport)</b>	-40 °C ... 60 °C

### Coil side

<b>Nominal input voltage <math>U_N</math></b>	230 V AC
<b>Nominal input current at <math>U_{IN}</math></b>	10 mA (at 50 Hz)
<b>Nominal input current at <math>U_{IN}</math></b>	11 mA (At 60 Hz)
<b>Typical response time</b>	5 ms ... 20 ms (AC, depending on phase relation)
<b>Typical release time range</b>	5 ms ... 20 ms (AC, depending on phase relation)
<b>Coil resistance</b>	6170 $\Omega$ +/-15% (at 20 °C)

### Contact side

<b>Contact type</b>	Single contact, 2-PDT
<b>Contact material</b>	AgSnIn
<b>Maximum switching voltage</b>	250 V AC/DC
<b>Minimum switching voltage</b>	1 V
<b>Maximum inrush current</b>	(on request)

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## Technical data

### Contact side

<b>Min. switching current</b>	10 mA
<b>Limiting continuous current</b>	10 A (N/O contact)
<b>Limiting continuous current</b>	5 A (N/C contact)
<b>Interrupting rating (ohmic load) max.</b>	2500 VA (for 250 V AC)

### General

<b>Test voltage relay winding/relay contact</b>	2.5 kV AC (50 Hz, 1 min.)
<b>Test voltage relay contact/relay contact</b>	2.5 kV AC (50 Hz, 1 min.)
<b>Operating mode</b>	100% operating factor
<b>Mechanical service life</b>	10 x 10 <sup>6</sup> cycles
<b>Standards/regulations</b>	IEC 60664
<b>Pollution degree</b>	3
<b>Surge voltage category</b>	II
<b>Mounting position</b>	Any
<b>Assembly instructions</b>	On relay base PR3

### Connection data

<b>Connection method</b>	Plug connection
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## classifications

### eCl@ss

<b>eCl@ss 4.0</b>	27371104
<b>eCl@ss 4.1</b>	27371104
<b>eCl@ss 5.0</b>	27371001
<b>eCl@ss 5.1</b>	27371001
<b>eCl@ss 6.0</b>	27371001
<b>eCl@ss 7.0</b>	27371001
<b>eCl@ss 8.0</b>	27371001

### ETIM

<b>ETIM 2.0</b>	EC000196
<b>ETIM 3.0</b>	EC000196
<b>ETIM 4.0</b>	EC000196
<b>ETIM 5.0</b>	EC000196

### UNSPSC

<b>UNSPSC 6.01</b>	30211916
<b>UNSPSC 7.0901</b>	39121515
<b>UNSPSC 11</b>	39121515
<b>UNSPSC 12.01</b>	39121515
<b>UNSPSC 13.2</b>	39121515

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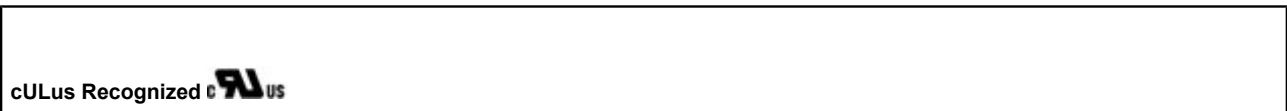
## approvals

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UL Recognized / cUL Recognized / cULus Recognized /

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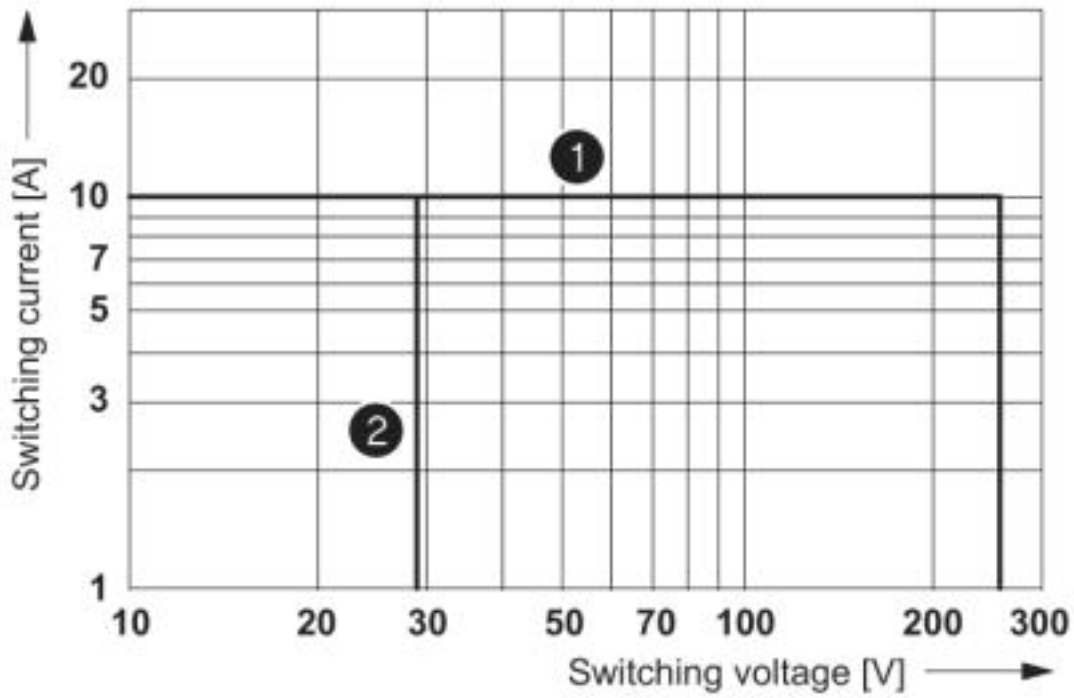
### Approval details



## Drawings

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Diagram

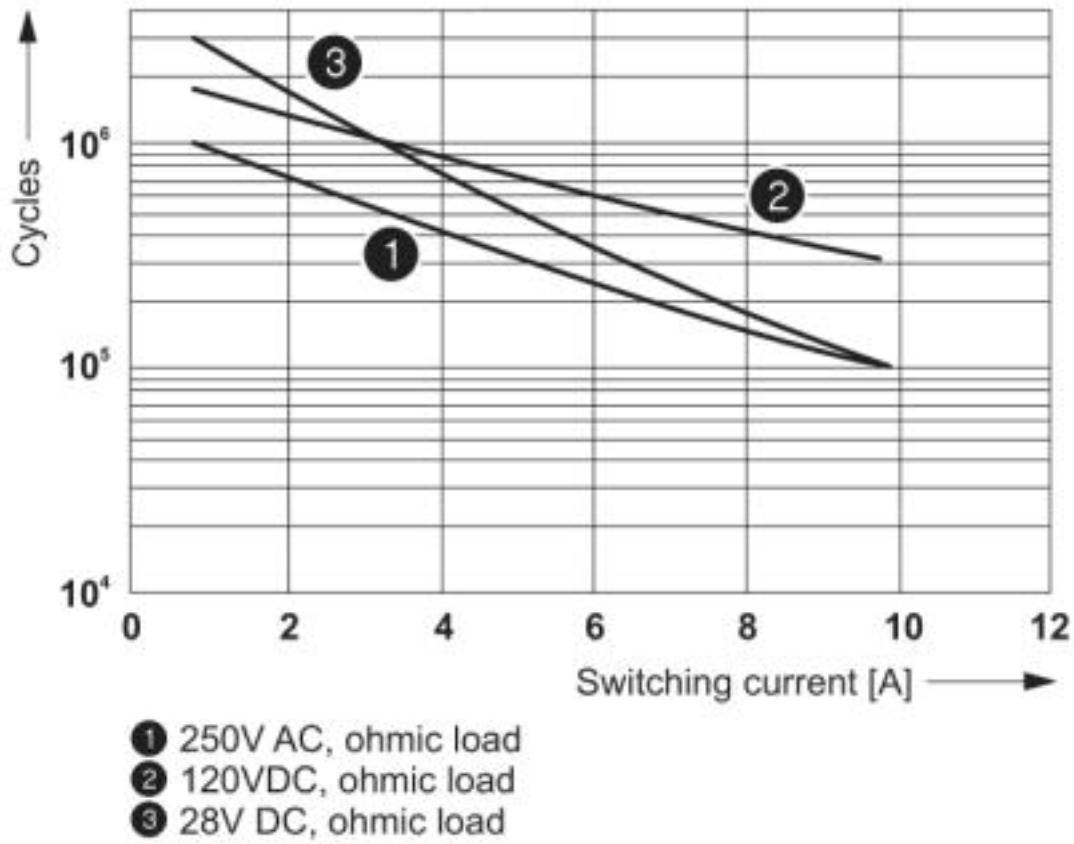


- ① AC, ohmic load
- ② DC, ohmic load

Interrupting rating

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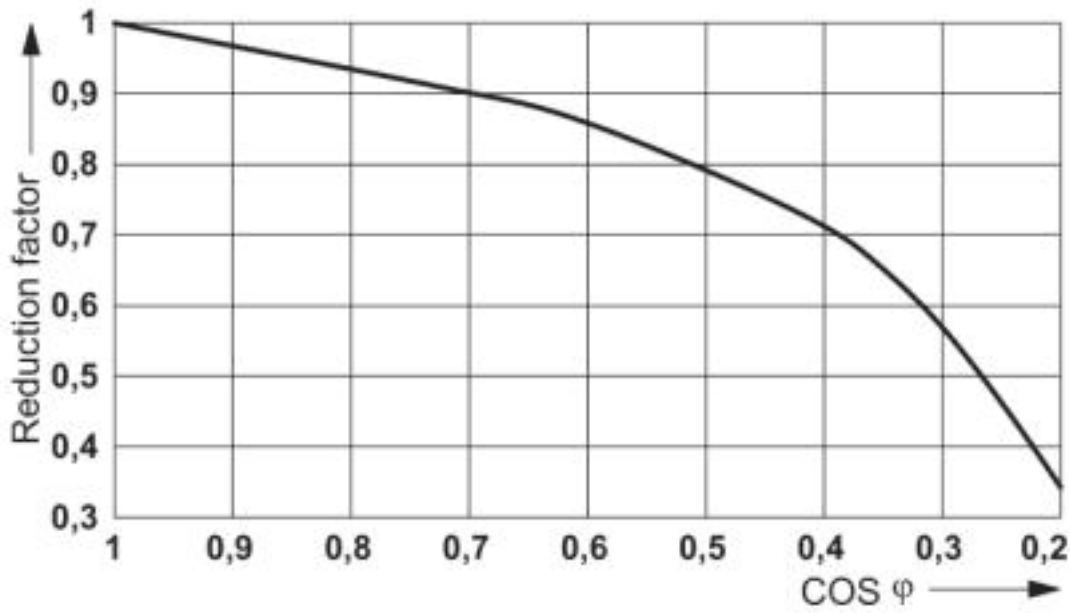
Diagram



Electrical service life

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Diagram



Service life reduction factor with various cos phi

Circuit diagram

