

Single relay - REL-OR- 24AC/2X21 - 2834245

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Pluggable octal relay with power contacts, 2 PDT, test button, mechanical switching position indication, coil voltage 24 V AC

The figure shows version: REL-OR-230AC/2X21

Product Features

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

Key commercial data

package_quantity	10
GTIN	4017918941765

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	24 V AC
Nominal input current at U_{IN}	110 mA (at 50 Hz)
Nominal input current at U_{IN}	96 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	62 Ω +/-15% (at 20 °C)

Contact side

Contact type	Single contact, 2-PDT
Contact material	AgSnIn
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	1 V

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Technical data

Contact side

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

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
Pollution degree	3
Surge voltage category	II
Mounting position	Any
Assembly instructions	On relay base PR3

Connection data

Connection method	Plug connection
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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	27371001

ETIM

ETIM 2.0	EC000196
ETIM 3.0	EC000196
ETIM 4.0	EC000196
ETIM 5.0	EC000196

UNSPSC

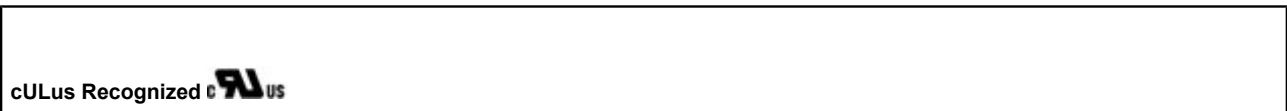
UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39121515

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approvals

UL Recognized / cUL Recognized / cULus Recognized /

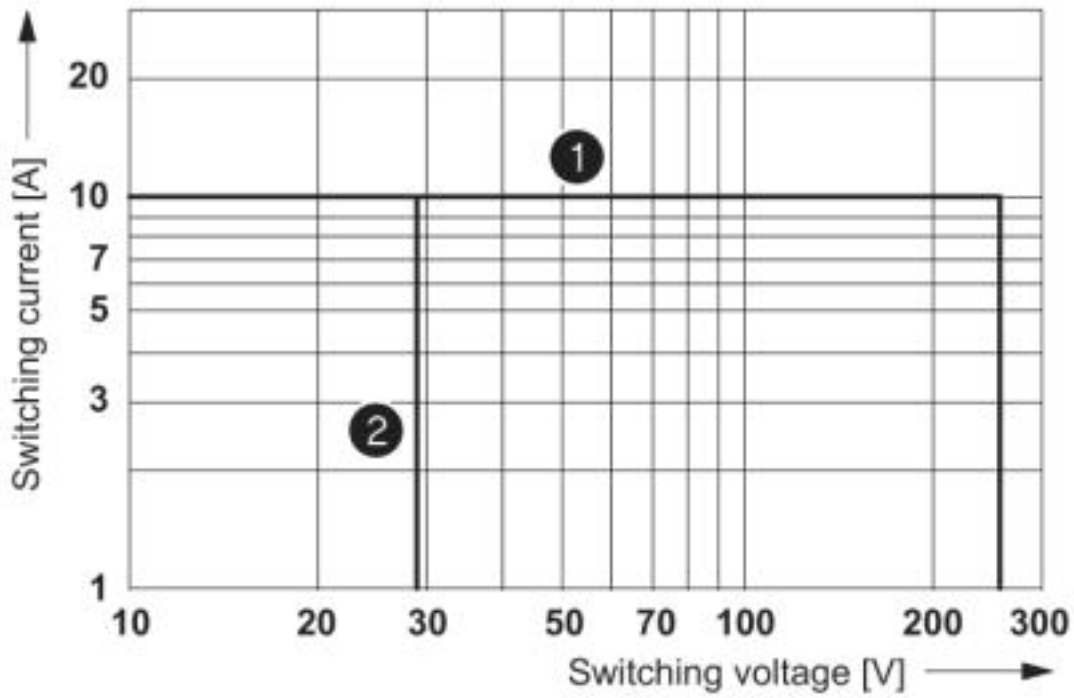
Approval details



Drawings

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Diagram

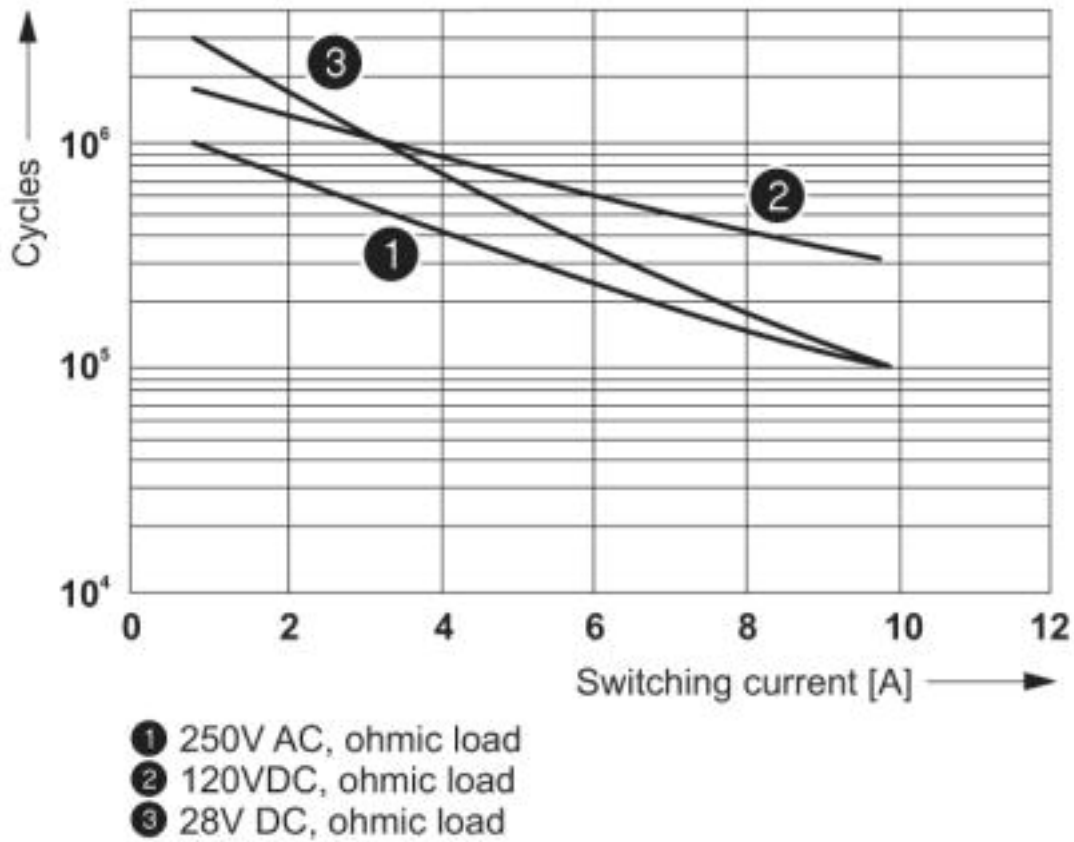


- ① AC, ohmic load
- ② DC, ohmic load

Interrupting rating

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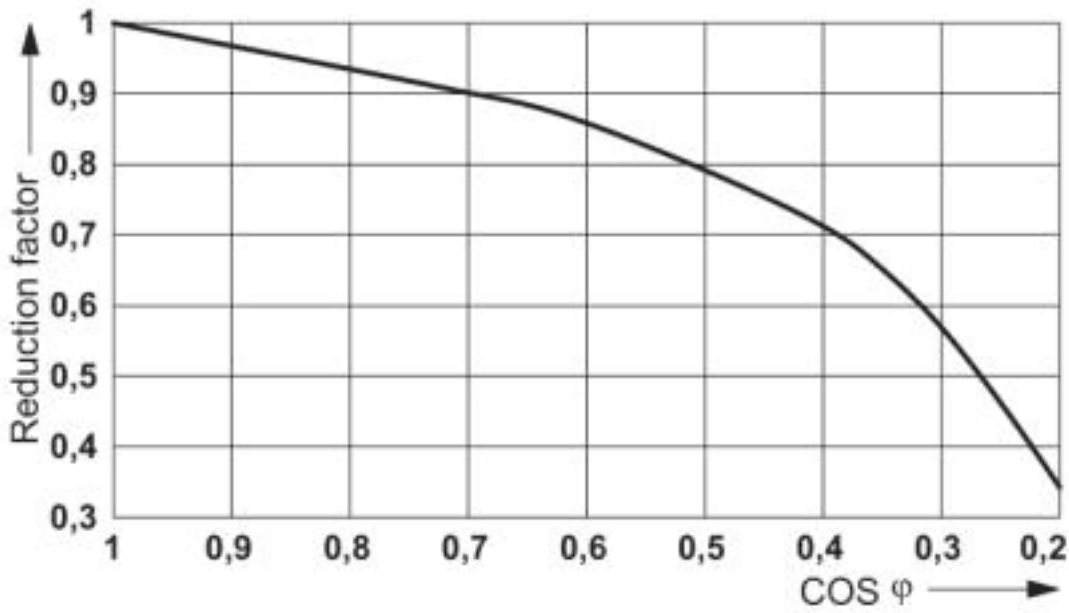
Diagram



Electrical service life

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Diagram



Service life reduction factor with various cos phi

Circuit diagram

