

Single relay - REL-OR-120AC/3X21 - 2834290

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Pluggable octal relay with power contacts, 3 PDT, test button, mechanical switching position indication, coil voltage 120 V AC

The figure shows version: REL-OR-230AC/3X21

Product Features

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



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	10 pc
Weight per Piece (excluding packing)	117.46 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	120 V AC
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Technical data

Coil side

Input voltage range in reference to U_N	0.8 ... 1.1
Typical input current at U_N	22 mA (at 50 Hz)
	20 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	1520 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

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Technical data

Standards and Regulations

Degree of pollution	3
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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	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 / cULus Recognized

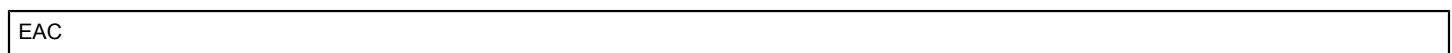
Ex Approvals

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Approvals

Approvals submitted

Approval details



Accessories

Additional products

Relay socket - PR3-BSC1/3X21 - 2833615

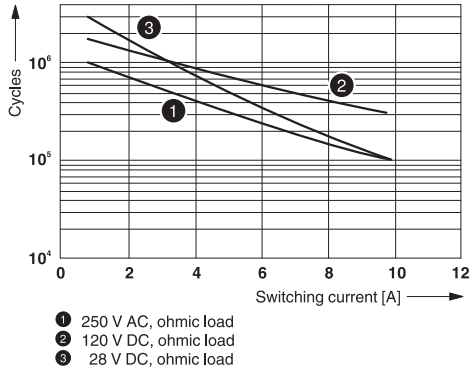


Relay socket PR3..., for octal relay REL-OR with 3 PDT, screw connections, connection facility for input/interference suppression modules, for mounting on NS 35/7.5

Drawings

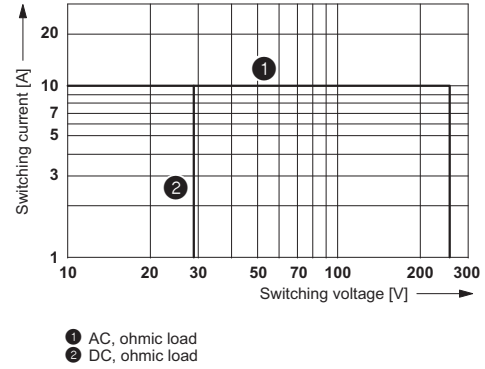
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Diagram



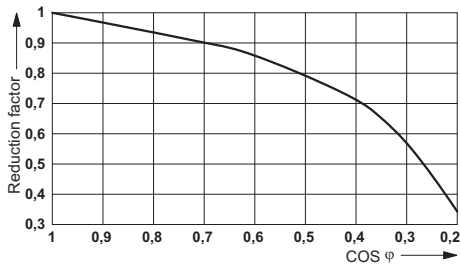
Electrical service life

Diagram



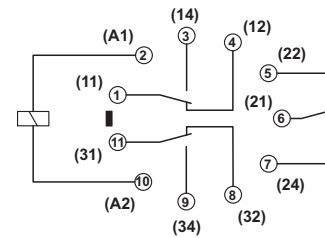
Interrupting rating

Diagram



Service life reduction factor with various cos phi

Circuit diagram



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