

Single relay - REL-OR3/L-120AC/3X21 - 2903695

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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-OR3/
LDP-24DC/3X21



Key commercial data

Packing unit	1 pc
Minimum order quantity	10 pc
Weight per Piece (excluding packing)	88.0 GRM
Custom tariff number	85364900
Country of origin	Poland

Technical data

Dimensions

Width	35 mm
Height	54.4 mm
Depth	35 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 55 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

Coil side

Nominal input voltage U_N	120 V AC
Input voltage range in reference to U_N	(see diagram)
Nominal input current at U_{IN}	23 mA
Typical response time	5 ms ... 15 ms (depending on phase relation)
Typical release time range	5 ms ... 20 ms (depending on phase relation)

Single relay - REL-OR3/L-120AC/3X21 - 2903695

Technical data

Coil side

Status display	Yellow LED
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Contact side

Contact type	Single contact, three PDTs
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	10 V (At 24 mA)
Maximum inrush current	30 A (20 ms, N/O contact)
Min. switching current	10 mA (at 24 V)
Limiting continuous current	10 A
Interrupting rating (ohmic load) max.	240 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)
	2500 VA (for 250 V AC)
Switching capacity min.	0.24 W
Switching capacity in acc. with DIN VDE 0660/IEC 60947	2 A (at 24 V, DC13)
	0.22 A (at 120 V, DC13)
	0.11 A (at 250 V, DC13)
	3 A (at 24 V, AC15)
	3 A (at 120 V, AC15)
	1.5 A (at 240 V, AC15)

General

Test voltage relay winding/relay contact	2.5 kV _{rms} (50 Hz, 1 min.)
Test voltage relay contact/relay contact	2 kV _{rms} (50 Hz, 1 min.)
Test voltage PDT/PDT	2 kV _{rms} (50 Hz, 1 min.)
Operating mode	100% operating factor
Degree of protection	RT I
Mechanical service life	Approx. 2×10^7 cycles
Name	Air and creepage distances between the power circuits
Standards/regulations	IEC 60664
Rated insulation voltage	250 V AC
Pollution degree	3
Surge voltage category	III
Name	Standards/regulations
Standards/regulations	IEC 61810

Single relay - REL-OR3/L-120AC/3X21 - 2903695

Technical data

General

Mounting position	any
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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 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

Approvals

Approvals

Approvals

CSA / UL Recognized / cUL Recognized / VDE Zeichengenehmigung / cULus Recognized

Ex Approvals

Single relay - REL-OR3/L-120AC/3X21 - 2903695

Approvals

Approvals submitted

Approval details

CSA 

UL Recognized 

cUL Recognized 

VDE Zeichengenehmigung 

cULus Recognized 

Accessories

Accessories

Relay socket

Relay socket - RIF-3-BPT/3X21 - 2900938

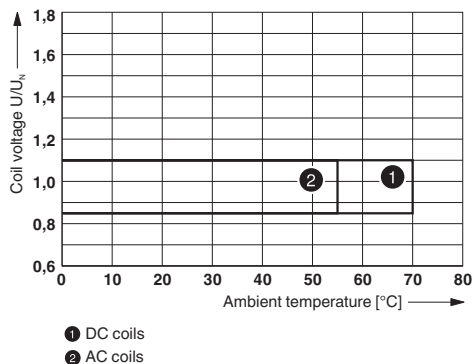


RIF-3... relay base, for octal relay with 3 PDTs, push-in connection, plug-in option for input/suppressor modules, for mounting on NS 35/7,5

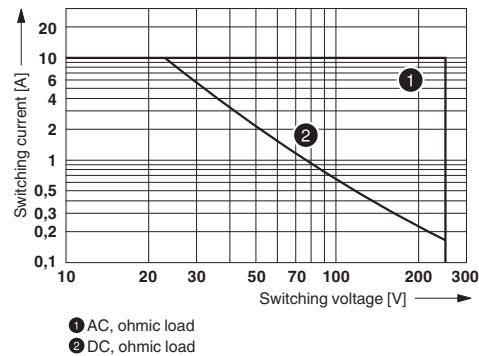
Drawings

Single relay - REL-OR3/L-120AC/3X21 - 2903695

Diagram

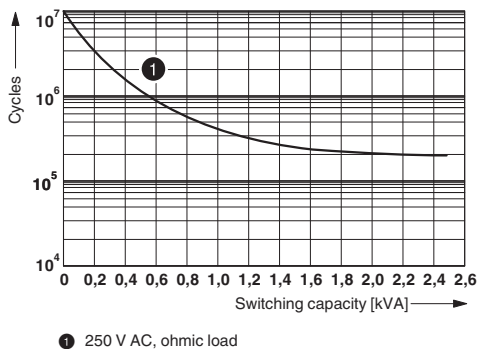


Diagram



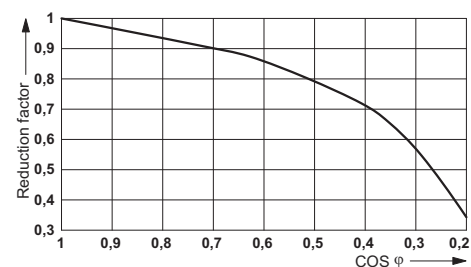
Operating voltage range

Diagram



Interrupting rating

Diagram



Electrical service life

Service life reduction factor

Circuit diagram

