Single relay - REL-OR3/L-230AC/3X21 - 2903696

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The figure shows version REL-OR3/LDP-24DC/3X21

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

Key Commercial Data

Packing unit	10 pc
Minimum order quantity	10 pc
GTIN	4 046356 759090
Weight per Piece (excluding packing)	87.78 g
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	230 V AC
Input voltage range in reference to U_N	see diagram
Typical input current at U_N	13 mA
Typical response time	5 ms ... 15 ms (depending on phase relation)
Typical release time range	5 ms ... 20 ms (depending on phase relation)
Status display	Yellow LED

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Technical data

Contact side

Contact type	3 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 x 10^7 cycles
Designation	Air clearances and creepage distances between the power circuits
Standards/regulations	IEC 60664
Rated insulation voltage	250 V AC
Pollution degree	3
Surge voltage category	III
Designation	Standards/regulations
Standards/regulations	IEC 61810
Mounting position	any

Classifications

eCl@ss

eCl@ss 4.0	27371104

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Classifications

eCl@ss

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

ETIM

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

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

Ex Approvals

Approvals submitted

Approval details

CSA

UL Recognized

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Approvals

cUL Recognized

VDE Zeichengenehmigung

EAC

EAC

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

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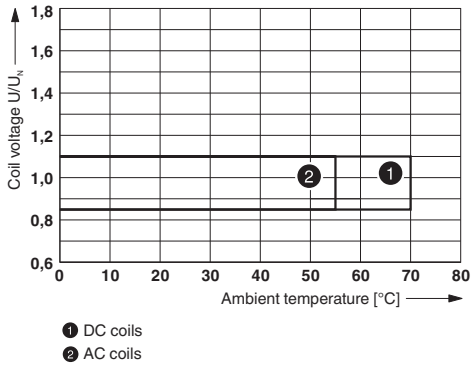
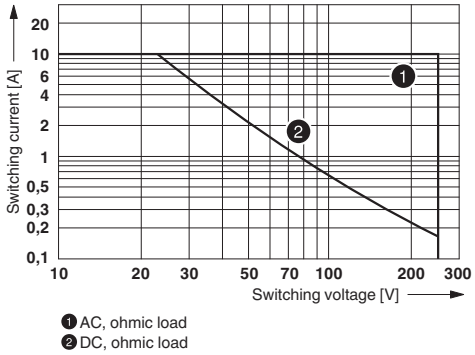
Diagram



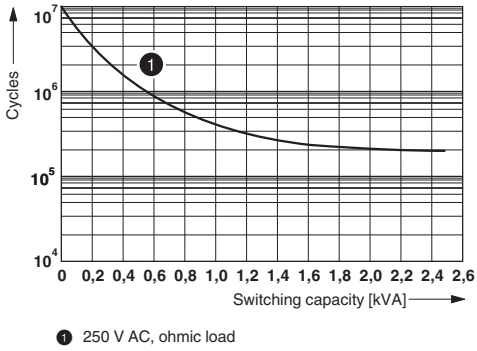
Operating voltage range

Diagram



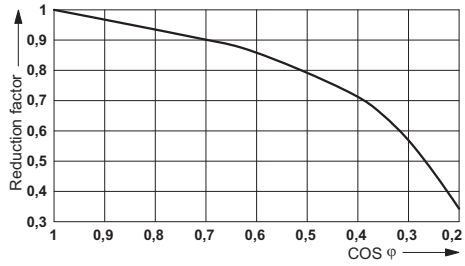
Interrupting rating

Diagram



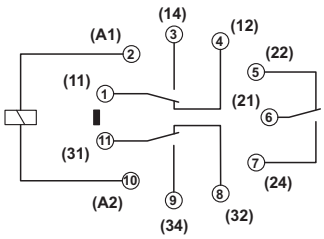
Electrical service life

Diagram



Service life reduction factor

Circuit diagram



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