

Single relay - REL-OR- 24DC/3X21 - 2834274

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Plug-in octal relays with power contacts, 3 changeover contacts, test button, mechanical switching position indicator, coil voltage: 24 V DC

Your advantages

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

RoHS

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	10 pc
GTIN	 4 017918 941772
GTIN	4017918941772
Weight per Piece (excluding packing)	112.840 g
Custom tariff number	85364190
Country of origin	China

Technical data

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 DC
Input voltage range in reference to U_N	0.8 ... 1.1

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Technical data

Coil side

Typical input current at U_N	56 mA
Typical response time	12 ms
Typical release time	6 ms
Coil resistance	430 $\Omega \pm 15\%$ (at 20 °C)
Power dissipation for nominal condition	1.34 W

Contact side

Contact type	3 changeover contacts
Type of switch contact	Single contact
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)

General

Test voltage	2.5 kV AC (50 Hz, 1 min., winding/contact)
	2.5 kV AC (50 Hz, 1 min., contact/contact)
Operating mode	100% operating factor
Mechanical service life	10x 10 ⁶ cycles
Service life, electrical	see diagram
Mounting position	any
Assembly instructions	On relay base PR3

Standards and Regulations

Connection in acc. with standard	CUL
Standards/regulations	IEC 60664
Pollution degree	3
Overvoltage category	II

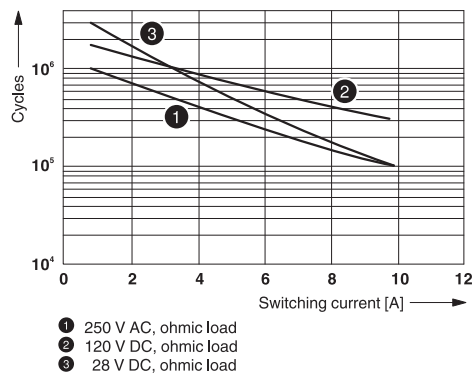
Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

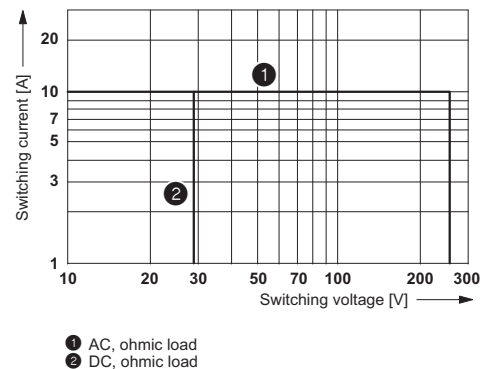
Drawings

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Diagram



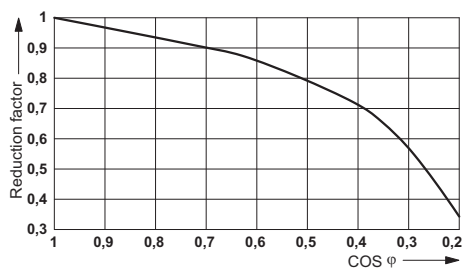
Diagram



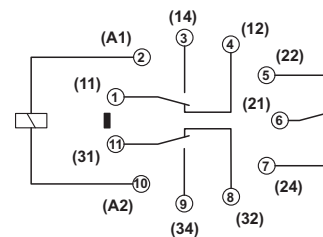
Electrical service life

Interrupting rating

Diagram



Circuit diagram



Service life reduction factor with various $\cos \varphi$

Classifications

eCl@ss

eCl@ss 10.0.1	27371601
eCl@ss 11.0	27371601
eCl@ss 4.0	27371100
eCl@ss 4.1	27371100
eCl@ss 5.0	27371600
eCl@ss 5.1	27371600
eCl@ss 6.0	27371600
eCl@ss 7.0	27371601
eCl@ss 9.0	27371601

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Classifications

ETIM

ETIM 2.0	EC001437
ETIM 3.0	EC001437
ETIM 4.0	EC001437
ETIM 6.0	EC001437
ETIM 7.0	EC001437

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39122334
UNSPSC 18.0	39122334
UNSPSC 19.0	39122334
UNSPSC 20.0	39122334
UNSPSC 21.0	39122334

Approvals

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UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 172140
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cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 172140
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Approvals

EAC		TR_TS_D_00573_c
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EAC		RU*C- DE.*08.B.00010
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cULus Recognized		
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Accessories

Additional products

Relay base - PR3-BSC1/3X21 - 2833615



Relay base PR3..., for REL-OR octal relays with 3 changeover contacts, screw connection, plug-in option for input/interference suppression modules, for mounting on NS 35/7,5