

Single relay - REL-OR- 24DC/2X21 - 2834232

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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

Product Features

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



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	10 pc
Weight per Piece (excluding packing)	108.0 g
Custom tariff number	85364190
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	24 V DC
Input voltage range in reference to U_N	0.8 ... 1.1

Single relay - REL-OR- 24DC/2X21 - 2834232

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 Ω \pm 15 % (at 20 °C)
Power dissipation for nominal condition	1.34 W

Contact side

Contact type	2 PDT
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
Degree of pollution	3

Single relay - REL-OR- 24DC/2X21 - 2834232

Technical data

Standards and Regulations

Overvoltage category	II
----------------------	----

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 / EAC / cULus Recognized

Ex Approvals

Single relay - REL-OR- 24DC/2X21 - 2834232

Approvals

Approvals submitted

Approval details

UL Recognized

cUL Recognized

EAC

EAC

cULus Recognized

Accessories

Additional products

Relay socket - PR3-BSC1/2X21 - 2833602

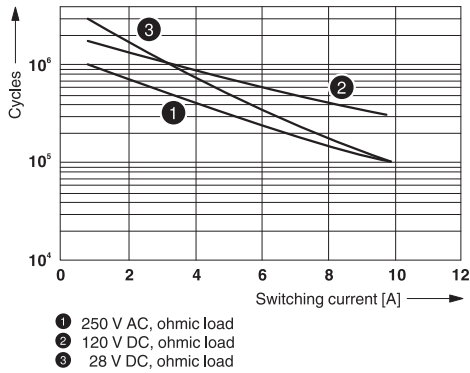


Relay socket PR3..., for octal relay REL-OR with 2 PDT, screw connections, connection facility for input/interference suppression modules, for mounting on NS 35/7.5

Drawings

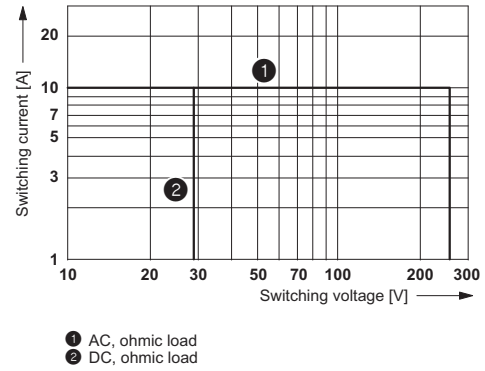
Single relay - REL-OR- 24DC/2X21 - 2834232

Diagram



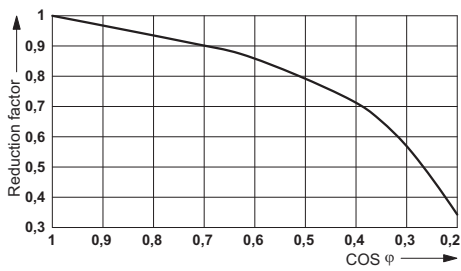
Electrical service life

Diagram



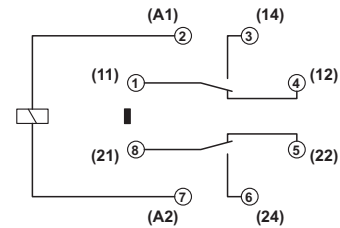
Interrupting rating

Diagram



Service life reduction factor with various cos phi

Circuit diagram



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Phoenix Contact:](#)

[2834232](#)