

PR1-RSC3-LDP-24DC/2X21

Order No.: 2834481



<http://eshop.phoenixcontact.co.uk/phoenix/treeViewClick.do?UID=2834481>


Preassembled relay modules with screw connection, consisting of: Relay socket, power contact relay with pluggable display or interference suppression module and retaining bracket. Input voltage: 24 V DC, two PDTs, 8 A



Commercial data	
EAN	4046356044370
Pack	5
Customs tariff	85364900
Weight/Piece	65.90 g
Country of Origin	DE
Catalog page information	Page 69 (IF-2009)

Product notes

WEEE/RoHS-compliant since:
06/08/2008



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Technical data	
Coil side	
Nominal input voltage U_N	24 V DC
Nominal input current at U_{IN}	19 mA
Typical response time	8 ms

Typical release time	10 ms
Operating voltage display	Yellow LED
Protective circuit/component	Damping diode

Contact side

Contact type	Single contact, 2-PDT
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V (at 10 mA)
Maximum inrush current	15 A (300 ms)
Min. switching current	10 mA (At 5 V)
Limiting continuous current	8 A
Interrupting rating (ohmic load) max.	2000 VA (for 250 V AC)
Interrupting rating (lamp load) max.	50 mW

General data

Width	16 mm
Height	71 mm
Depth	78.5 mm
Test voltage relay winding/relay contact	4 kV (50 Hz, 1 min)
Test voltage relay contact/relay contact	2.5 kV (50 Hz, 1 min)
Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Operating mode	100% operating factor
Service life mechanical	3 x 10 ⁷ cycles
Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Pollution degree	3
Surge voltage category	III
Mounting position	Any
Assembly instructions	In rows with zero spacing

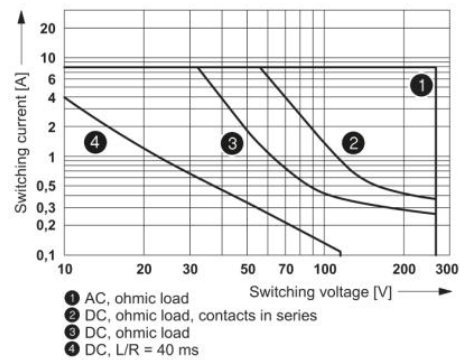
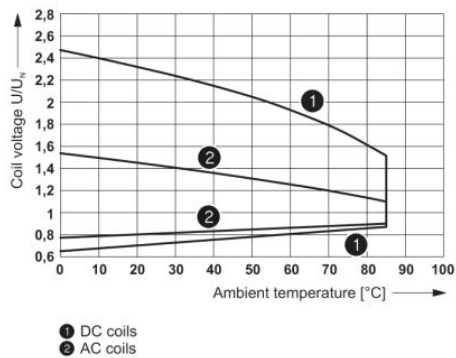
Connection data

Type of connection	Screw connection
Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	2.5 mm ²

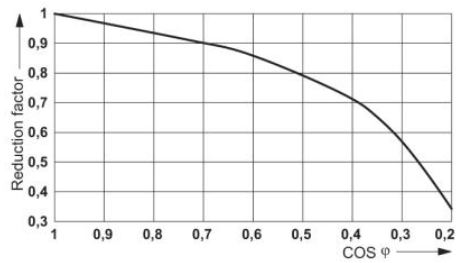
Conductor cross section stranded min.	0.14 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	14
Stripping length	8 mm
Screw thread	M3

Drawings

Diagram

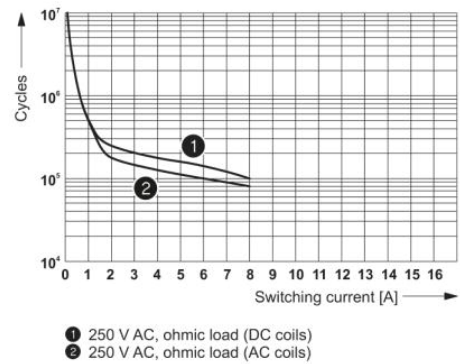


Operating voltage range of the relay



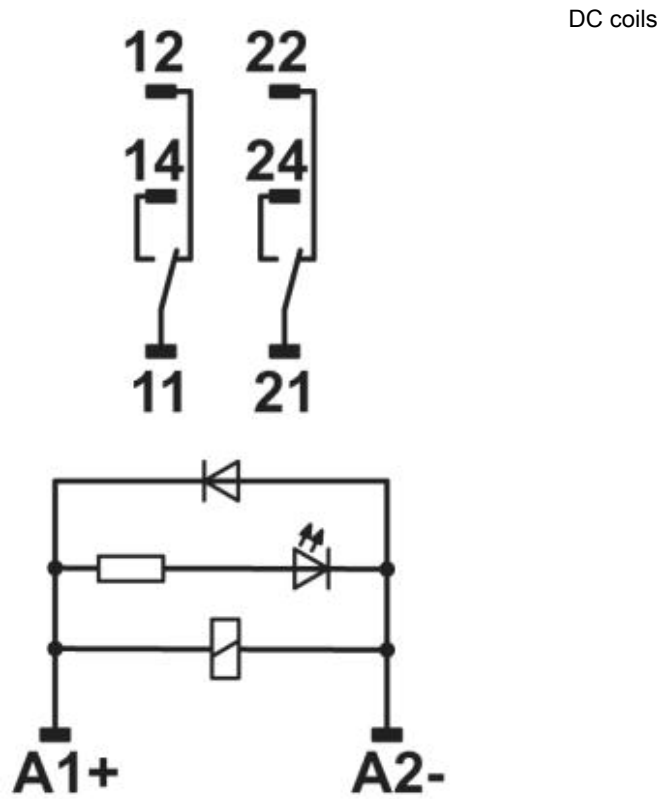
Service life reduction factor with various cos phi

Interrupting rating



Electrical service life

Circuit diagram



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