

PR1-RSP3-LV- 24AC/2X21

Order No.: 2834575



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2834575>

Preassembled relay modules with spring-cage connection, consisting of: Relay socket plug-in miniature power relay with power contacts, plug-in display/interference suppression module and relay retaining bracket. Input voltage: 24 V AC, contacts: 2 PDT, 8 A

Commercial data	
EAN	4046356044462
Pack	5 pcs.
Customs tariff	85364900
Weight/Piece	0.06591 KG
Catalog page information	Page 71 (IF-2009)

Product notes

WEEE/RoHS-compliant since:
07/24/2008



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Technical data

Coil side	
Nominal input voltage U_N	24 V AC
Nominal input current at U_{IN}	34 mA (at 50 Hz)
	26 mA (At 60 Hz)

Typical response time	3 ms ... 12 ms
Typical release time range	1.5 ms ... 14 ms
Operating voltage display	Yellow LED
Protective circuit/component	Varistor

Contact side

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

General data

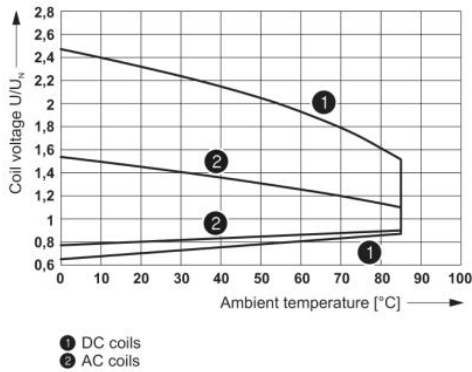
Width	16 mm
Height	72 mm
Depth	97 mm
Test voltage relay winding/relay contact	4 kV (50 Hz, 1 min)
Test voltage relay contact/relay contact	2.5 kV (50 Hz, 1 min)
Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Operating mode	100% operating factor
Service life mechanical	3 x 10 ⁷ cycles
Standards/regulations	IEC 60664
	IEC 60664 A
	DIN VDE 0110
	IEC 60255/DIN VDE 0435 (in relevant parts)
	DIN EN 50178/DIN VDE 0160 (in relevant parts)
	EN 60730/DIN VDE 0631
Pollution degree	3
Surge voltage category	III
Mounting position	Any
Assembly instructions	In rows with zero spacing

Connection data

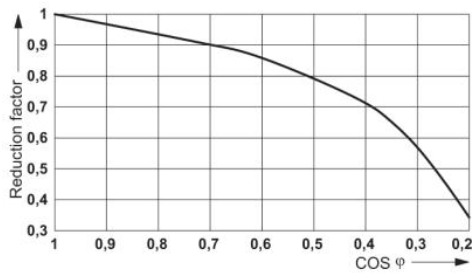
Type of connection	Spring-cage connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	1.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	16
Stripping length	10 mm

Diagrams/Drawings

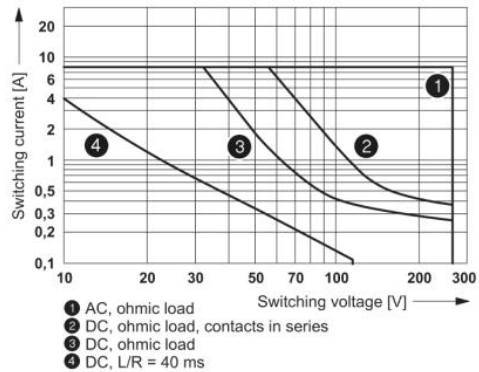
Diagram



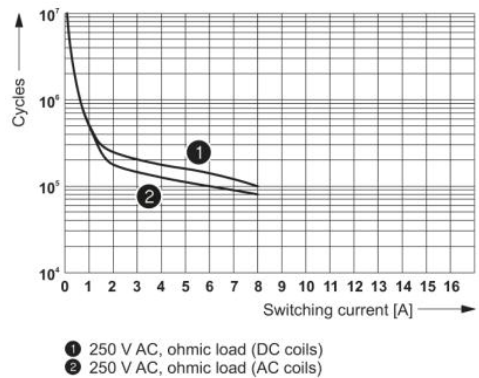
Operating voltage range of the relay



Service life reduction factor with various cos phi



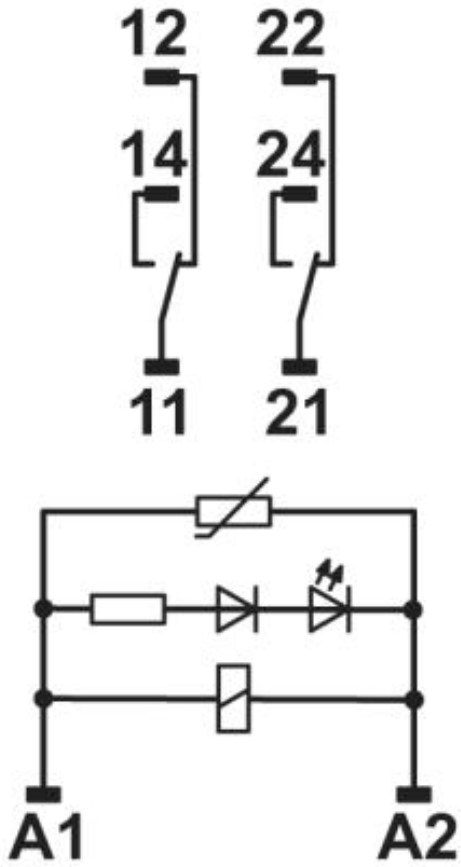
Interrupting rating



Electrical service life

Circuit diagram

AC coils



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