

PR1-RSP3-LDP-24DC/21AU

Order No.: 2834449

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2834449>

Preassembled relay modules with spring-cage connection, consisting of: Relay socket, multi-layer contact relay, pluggable display or interference suppression module and retaining bracket. Input voltage: 24 V DC, 1 PDT, 10 A

Commercial data

GTIN (EAN)	4046356044332
Note	Made-to-order
sales group	G310
Pack	5 pcs.
Customs tariff	85364900
Weight/Piece	0.06606 KG
Catalog page information	Page 70 (IF-2009)

Product notes

WEEE/RoHS-compliant since:
12/01/2008



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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, 1-PDT
Contact material	AgNi, hard gold-plated
Maximum switching voltage	30 V AC 36 V DC
Minimum switching voltage	100 mV (at 10 mA)
Maximum inrush current	50 mA
Min. switching current	1 mA (at 24 V)
Limiting continuous current	50 mA
Note	the following values are applicable if a gold layer is destroyed
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	12 V
Limiting continuous current	10 A
Maximum inrush current	30 A (300 ms)
Min. switching current	100 mA
Interrupting rating (ohmic load) max.	2500 VA (for 250 V AC)

General data

Width	16 mm
Height	72 mm
Depth	97 mm
Test voltage relay winding/relay contact	4 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

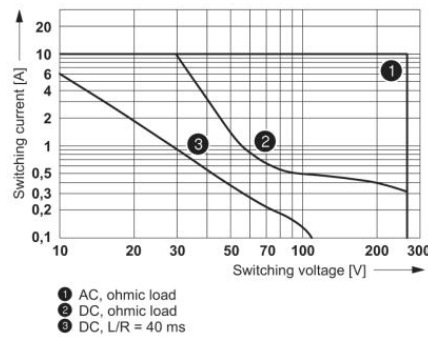
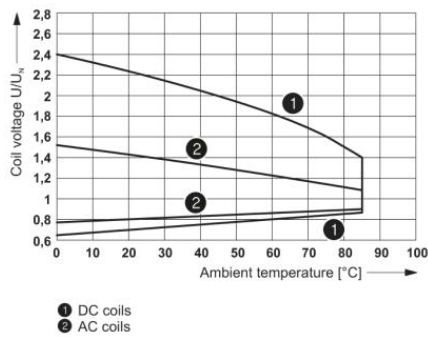
Assembly instructions	In rows with zero spacing
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Connection data

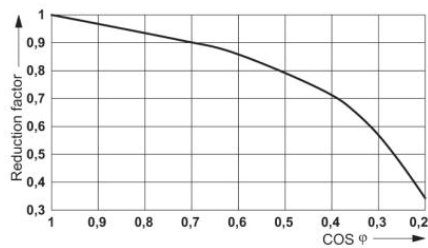
Type of connection	Spring-cage connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	1.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max.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

Diagrams/Drawings

Diagram

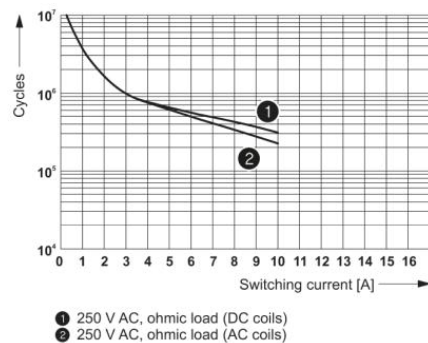


Operating voltage range of the relay



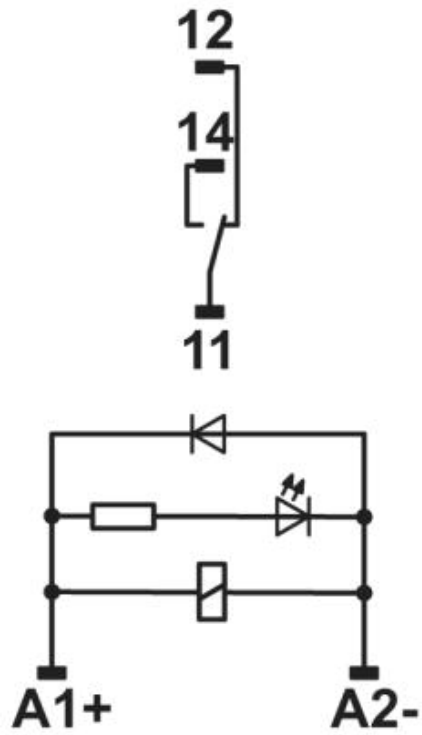
Service life reduction factor with various cos phi

Interrupting rating



Electrical service life

Circuit diagram



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