


# PR1-RSP3-LV- 24AC/21

Order No.: 2834410

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2834410>

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: 1 PDT, 10 A

## Commercial data

GTIN (EAN)	 4 046356 044301
Note	Made-to-order
sales group	G310
Pack	5 pcs.
Customs tariff	85364900
Catalog page information	Page 76 (IF-2011)

## Product notes

WEEE/RoHS-compliant since:  
08/22/2006



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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	Varistor

#### Contact side

Contact type	Single contact, 1-PDT
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	12 V (at 10 mA)
Maximum inrush current	30 A (300 ms)
Min. switching current	100 mA
Limiting continuous current	10 A
Interrupting rating (ohmic load) max.	2500 VA

#### General data

Width	16 mm
Height	97 mm
Depth	72 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
Mechanical service life	3 x 10 <sup>7</sup> 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

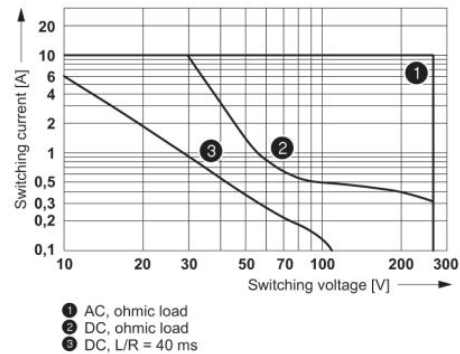
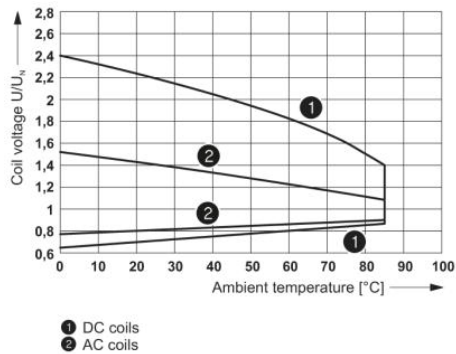
#### Connection data

Connection method	Spring-cage connection
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>

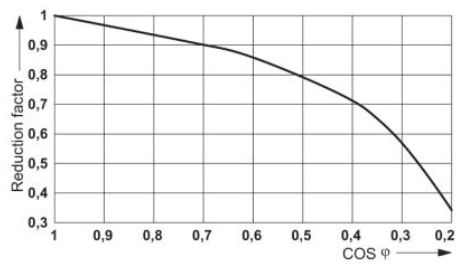
Conductor cross section stranded max.	1.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	16
Stripping length	10 mm

**Diagrams/Drawings**

Diagram

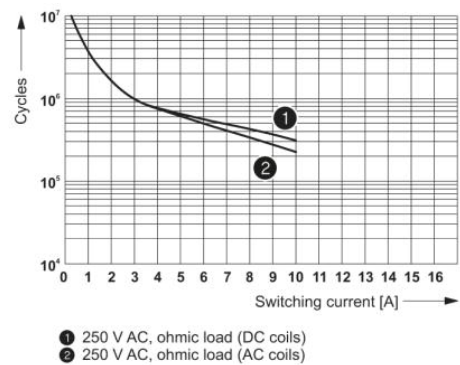


Operating voltage range of the relay



Service life reduction factor with various cos phi

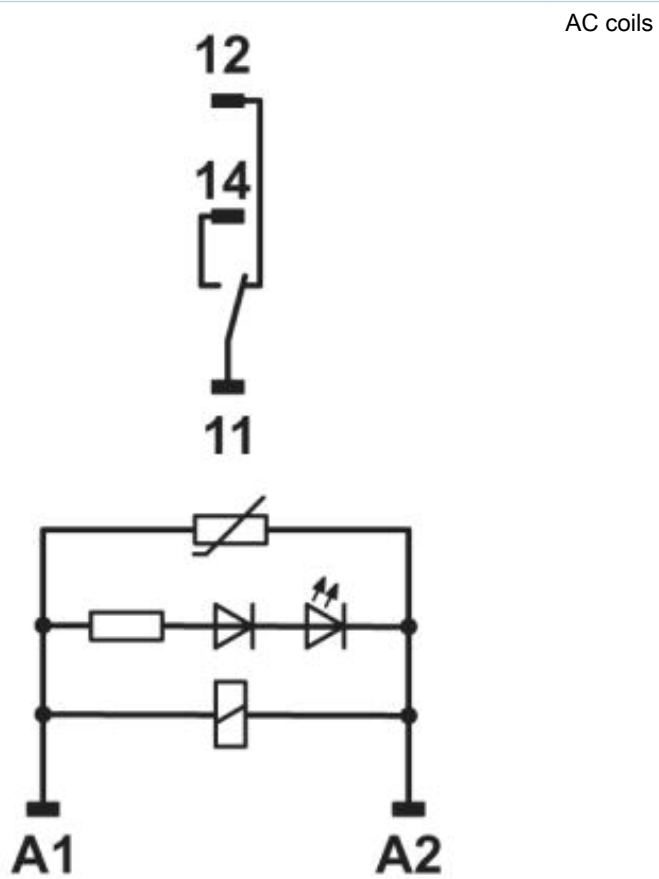
Interrupting rating



Electrical service life

Circuit diagram

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