

PR1-RSP3-LV-230AC/2X21

Order No.: 2834591



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2834591>

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: 230 V AC, contacts: 2 PDT, 8 A

Commercial data

GTIN (EAN)	 4 046356 044486
sales group	G310
Pack	5 pcs.
Customs tariff	85364900
Catalog page information	Page 77 (IF-2011)

Product notes

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



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Technical data

Coil side

Nominal input voltage U_N	230 V AC
Nominal input current at U_{IN}	6 mA (at 50 Hz)
	5.5 mA (At 60 Hz)

Typical response time	3 ms ... 12 ms
Typical release time range	2 ms ... 22 ms
Operating voltage display	Yellow LED
Protective circuit	Varistor

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

General data

Width	16 mm
Height	97 mm
Depth	72 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
Mechanical service life	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

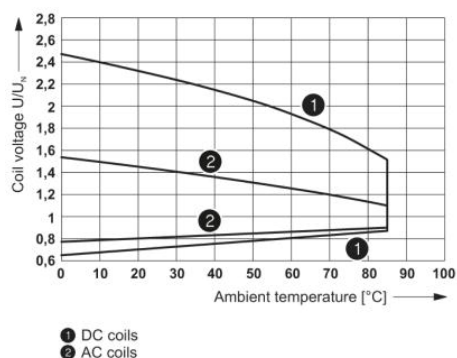
Connection data

Connection method	Spring-cage connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	1.5 mm ²

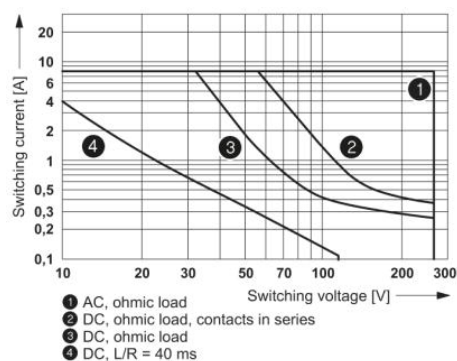
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	1.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	16
Stripping length	10 mm

Diagrams/Drawings

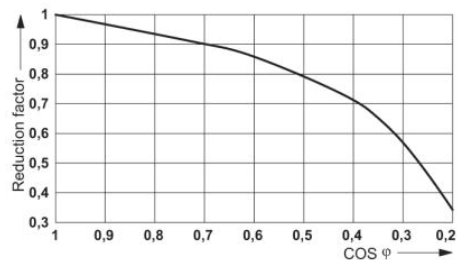
Diagram



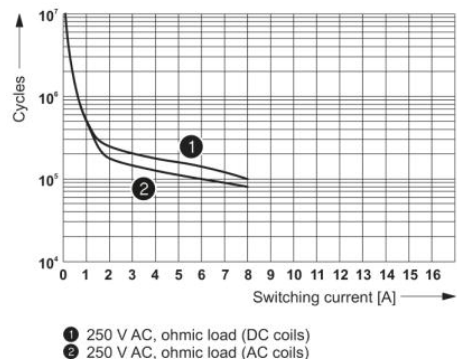
Operating voltage range of the relay



Interrupting rating

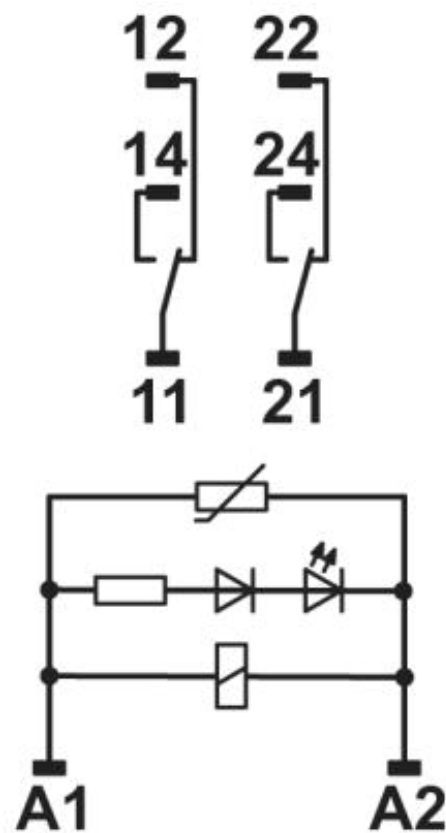


Service life reduction factor with various $\cos \phi$



Electrical service life

Circuit diagram



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