

## PR2-RSP3-LDP-24DC/4X21AU

Order No.: 2834766

<b>A version with a green relay cap and manual operation with snap-in function available only from the second quarter of 2009.</b>



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2834766>

Preassembled relay modules with spring-cage connection, consisting of a relay base, industrial relay with integrated LED, free-wheeling diode and engage/disengage manual actuate lever and retaining bracket. Input voltage: 24 V DC, four PDTs with gold-plated contacts, 5 A

Commercial data	
EAN	4046356044585
Pack	5 pcs.
Customs tariff	85364900
Weight/Piece	0.12524 KG
Catalog page information	Page 73 (IF-2009)

### Product notes

WEEE/RoHS-compliant since:  
01/11/2007



<http://www.download.phoenixcontact.com>  
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Technical data	
<b>Coil side</b>	
Nominal input voltage $U_N$	24 V DC
Nominal input current at $U_{IN}$	38 mA

Typical response time	13 ms
Typical release time	5 ms
Operating voltage display	LED green
Protective circuit/component	Damping diode

#### Contact side

Contact type	Single contact, 4-PDT
Contact material	AgNi, + 3 µm Au
Maximum switching voltage	250 V AC 125 V DC
Minimum switching voltage	1 V
Maximum inrush current	12 A (15 ms)
Min. switching current	1 mA
Limiting continuous current	5 A
Interrupting rating (ohmic load) max.	1250 VA

#### General data

Width	31 mm
Height	84 mm
Depth	95 mm
Test voltage relay winding/relay contact	2 kV (50 Hz, 1 min)
Test voltage relay contact/relay contact	2 kV (50 Hz, 1 min)
Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Operating mode	100% operating factor
Service life mechanical	5 x 10 <sup>7</sup> cycles
Standards/regulations	IEC 60664 IEC 60664 A DIN VDE 0110
Pollution degree	2
Surge voltage category	II
Mounting position	Any
Assembly instructions	In rows with zero spacing

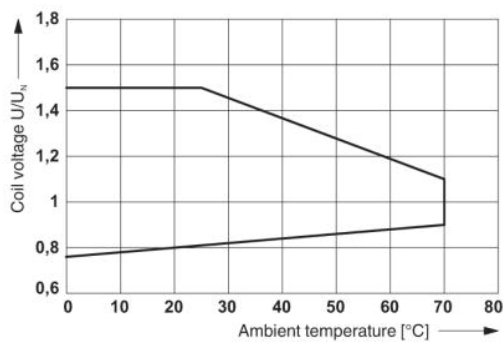
#### Connection data

Type of connection	Spring-cage connection
Conductor cross section solid min.	0.2 mm <sup>2</sup>

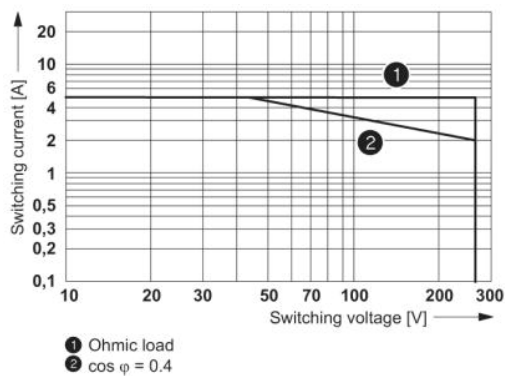
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	1.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	16
Stripping length	10 mm

**Diagrams/Drawings**

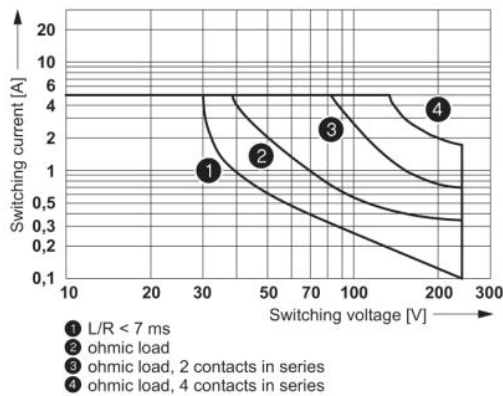
Diagram



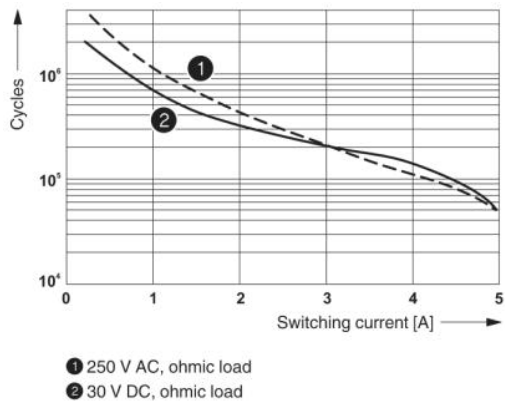
Operating voltage range of relay  $T_u = T_{coil}$



AC interrupting rating



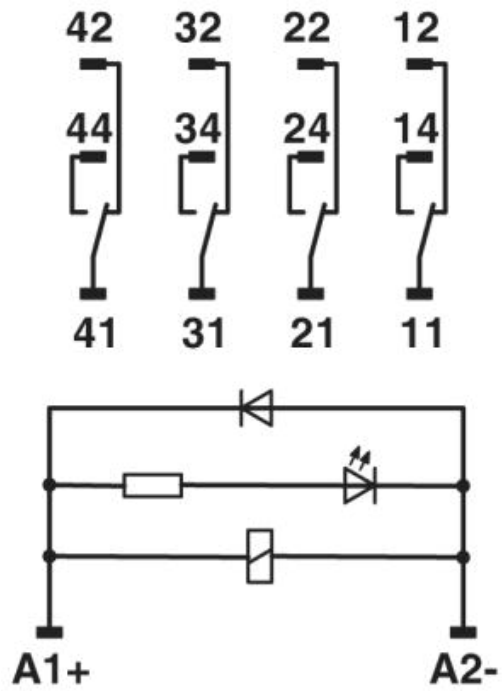
DC interrupting rating



Electrical service life

Circuit diagram

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