

# PSR-SPP- 24UC/URM/3X1/3X2

Order No.: 2981842


The figure shows a version with a screw connection



<http://catalog.phoenixcontact.net/phoenix/treeViewClick.do?UID=2981842>

Universal safety relay positively driven contact, 3 N/O contacts, 3 N/C contacts, plug-in terminal blocks with spring-cage connection, width: 22.5 mm



Commercial data	
EAN	 4 046356 138611
Pack	1 Pcs.
Customs tariff	85364900
Product key	106542
Catalog page information	Page 20 (IF-2011)

### Product notes

WEEE/RoHS-compliant since:  
11/22/2006



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## Technical data

Input data	
Nominal input voltage $U_N$	24 V AC/DC
Input voltage range in reference to $U_N$	0.85 ... 1.1
Typical input current at $U_N$	45 mA
Typical response time	15 ms

Typical release time	15 ms
<b>Output data</b>	
Contact type	3 N/O contacts
	3 N/C contacts
Contact material	AgSnO <sub>2</sub>
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	15 V AC/DC
Limiting continuous current	6 A (N/O contact)
	6 A (N/C contact)
Maximum inrush current	6 A
Inrush current, minimum	25 mA
Sq. Total current	$48 \text{ A}^2 (I_{TH}^2 = I_1^2 + I_2^2 + \dots + I_N^2)$
Interrupting rating (ohmic load) max.	144 W (24 V DC, $\tau = 0 \text{ ms}$ )
	288 W (48 V DC, $\tau = 0 \text{ ms}$ )
	77 W (110 V DC, $\tau = 0 \text{ ms}$ )
	88 W (220 V DC, $\tau = 0 \text{ ms}$ )
	1500 VA (250 V AC, $\tau = 0 \text{ ms}$ )
Maximum interrupting rating (inductive load)	(24 V DC, $\tau = 40 \text{ ms}$ )
	(48 V DC, $\tau = 40 \text{ ms}$ )
	(110 V DC, $\tau = 40 \text{ ms}$ )
	(220 V DC, $\tau = 40 \text{ ms}$ )
Switching capacity min.	0.4 W
Output fuse	10 A gL/gG NEOZED (N/O contact)
	4 A gL/gG NEOZED (N/C contact)
<b>General data</b>	
Width	22.5 mm
Height	112 mm
Depth	114.5 mm
Ambient temperature (operation)	-20 °C ... 55 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Relay type	Electromechanically forcibly guided, dust-proof relay.
Mechanical service life	Approx. $10^7$ cycles
Mounting position	Any
Name	Air and creepage distances between the power circuits

Standards/regulations	DIN EN 50178/VDE 0160
Rated surge voltage / insulation	4 kV / Basic isolation (safe isolation, reinforced insulation and 6 kV between the input circuit and the output (13/14, 23/24, 33/34).)
Rated insulation voltage	250 V
Pollution degree	2
Surge voltage category	III

#### Connection data

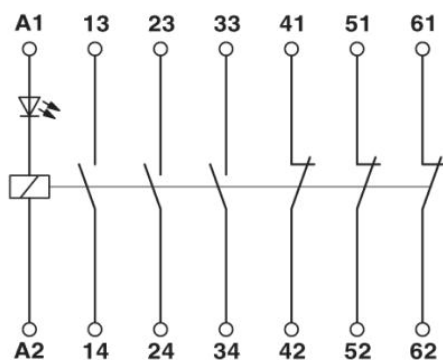
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	1.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	16
Stripping length	8 mm
Connection method	Spring-cage conn.

#### Certificates / Approvals

Certification CUL Listed, GOST, UL Listed

#### Drawings

Circuit diagram



Connection data incl. use groups

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