

# PSR-SCF- 24UC/URM/4X1/2X2

Order No.: 2981444

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2981444>

Universal safety relay with positive-action contacts, screw connection,  
4 N/O contacts, 2 N/C contacts, width: 40 mm



## Commercial data

EAN	4017918987787
Pack	1 Pcs.
Customs tariff	85044090
Weight/Piece	0.1353 KG
Catalog page information	Page 31 (IF-2007)

## Product notes

WEEE/RoHS-compliant since:  
07/17/2006



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## Technical data

### Input data

Nominal input voltage $U_N$	24 V AC/DC
Input voltage range in reference to $U_N$	0.8 ... 1.1
Typical input current at $U_N$	52 mA
Typical response time	10 ms

Typical release time	10 ms
<b>Output data</b>	
Contact type	4 N/O, 2 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 (total current on request)
Maximum inrush current	6 A
Inrush current, minimum	25 mA
Interrupting rating (ohmic load) max.	144 W (24 V DC, $\tau = 0$ ms)
	288 W (48 V DC, $\tau = 0$ ms)
	77 W (110 V DC, $\tau = 0$ ms)
	88 W (220 V DC, $\tau = 0$ ms)
	1500 VA (250 V AC, $\tau = 0$ ms)
Maximum interrupting rating (inductive load)	48 W (24 V DC, $\tau = 40$ ms)
	40 W (48 V DC, $\tau = 40$ ms)
	35 W (110 V DC, $\tau = 40$ ms)
	33 W (220 V DC, $\tau = 40$ ms)
Switching capacity min.	0.4 W
Output fuse	10 A gL/gK NEOZED (N/O contact)
	4 A gL/gK NEOZED (N/C contact)
<b>General data</b>	
Length	111 mm
Width	40 mm
Height	56 mm
Ambient temperature (operation)	-20 °C ... 55 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Service life mechanical	Approx. 10 <sup>7</sup> cycles
Mounting position	Any
Name	Air and creepage distances between the power circuits
Standards/regulations	DIN EN 50178/VDE 0160
	EN 50205
Rated surge voltage / insulation	4 kV / basic insulation (safe isolation, increased isolation and 6 kV between input circuit and output contact current paths.)
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.	2.5 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
Stripping length	7 mm
Screw thread	M3
Type of connection	Screw connection

**Certificates / Approvals**



Certification

CUL Listed, GOST, UL Listed

**Drawings**

Circuit diagram

