

# PSR-SCF- 24UC/URM/2X21

Order No.: 2981363



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2981363>

Universal safety relay with positive action contacts, two PDT contacts, for  $U_N$  24 V AC/DC



## Commercial data

EAN	4017918946906
Pack	10 Pcs.
Customs tariff	85364190
Weight/Piece	0.06164 KG
Catalog page information	Page 32 (IF-2007)

## Product notes

WEEE/RoHS-compliant since:  
06/07/2007



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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 $U_N$	30 mA
Typical response time	10 ms

Typical release time	10 ms
<b>Output data</b>	
Contact type	2 PDT
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	15 V AC/DC
Limiting continuous current	5 A (N/O contact) 3.5 A (N/C contact)
Maximum inrush current	6 A
Inrush current, minimum	10 mA
Interrupting rating (ohmic load) max.	144 W (24 V DC, $\tau = 0$ ms) 288 W (48 V DC, $\tau = 0$ ms) 88 W (110 V DC, $\tau = 0$ ms) 110 W (220 V DC, $\tau = 0$ ms) 1500 VA (250 V AC, $\tau = 0$ ms)
Maximum interrupting rating (inductive load)	(on request)
Switching capacity min.	0.24 W
Output fuse	6 A gL/gG NEOZED (N/O contact) 4 A gL/gG NEOZED (N/C contact)
<b>General data</b>	
Length	75 mm
Width	17.5 mm
Height	60.5 mm
Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Service life mechanical	Approx. $10^7$ 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

