

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


Order No.: 2981444



Universal safety relay with forcibly guided contacts, screw connection, 4 N/O contacts, 2 N/C contacts, width: 40 mm



Commercial data

GTIN (EAN)	 4 017918 987787
sales group	G542
Pack	1 pcs.
Customs tariff	85044090
Catalog page information	Page 21 (IF-2011)

Product notes

WEEE/RoHS-compliant since:
03/30/2006



<http://www.download.phoenixcontact.com>
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

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
Output data	
Contact type	4 N/O, 2 N/C contacts
Contact material	AgSnO ₂
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)
General data	
Width	40 mm
Height	111 mm
Depth	56 mm
Ambient temperature (operation)	-20 °C ... 55 °C
Ambient temperature (storage/transport)	-20 °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
	EN 50205
Rated surge voltage / insulation	4 kV / Basic isolation, (safe isolation, reinforced insulation and 6 kV between input circuit and enabling current paths.)

Rated insulation voltage	250 V
Pollution degree	2
Surge voltage category	III

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
Stripping length	7 mm
Screw thread	M3
Connection method	Screw connection

Certificates / Approvals



Certification

CUL Listed, GOST, UL Listed

Diagrams/Drawings

Circuit diagram

