

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 at <http://www.download.phoenixcontact.com>. The General Terms and Conditions of Use apply to Internet downloads.

► Extract from the online catalog



Order No.	2963747
Ord designation	PSR-SCP- 24UC/URM/5X1/2X2
EAN	4017918482145
Pack	1 Pcs.
Customs tariff	85364900
Catalog page information	Page 37 (IF-2005)

► Technical data

Input data

Nominal input voltage U_N	24 V AC/DC (Further voltages on request)
Input voltage range in reference to U_N	0.8 ... 1.1
Typical input current at U_N	47 mA
Typical response time	20 ms
Typical release time	20 ms

Output data

Contact type	5 N/O, 2 N/C contacts
Contact material	Silver tin oxide (AgSnO), 0.2 µm gold-flashed
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	15 V AC/DC
Limiting continuous current	6 A
Maximum inrush current	6 A
Min. switching current	25 mA
Power rating (ohmic load) max.	144 W (24 V DC, $\tau = 0\text{ ms}$)
Power rating (ohmic load) max.	288 W (48 V DC, $\tau = 0\text{ ms}$)
Power rating (ohmic load) max.	110 W (110 V DC, $\tau = 0\text{ ms}$)
Power rating (ohmic load) max.	88 W (220 V DC, $\tau = 0\text{ ms}$)
Power rating (ohmic load) max.	1380 VA (250 V AC, $\tau = 0\text{ ms}$)
Maximum power rating (inductive load)	42 W (24 V DC, $\tau = 40\text{ ms}$)
Maximum power rating (inductive load)	42 W (48 V DC, $\tau = 40\text{ ms}$)
Maximum power rating (inductive load)	42 W (110 V DC, $\tau = 40\text{ ms}$)
Maximum power rating (inductive load)	42 W (220 V DC, $\tau = 40\text{ ms}$)
Switching capacity min.	0.4 W
Switching capacity in acc. with DIN VDE 0660/IEC 60947	2.5 A (24 V (DC13), in acc. with DIN VDE 0660/IEC 60947)
Switching capacity in acc. with DIN VDE 0660/IEC 60947	3 A (230 V (AC13), in acc. with DIN VDE 0660/IEC 60947)
Output fuse	6 A (Fast-blow)

General data

Length	99 mm
Width	22.5 mm
Height	114.5 mm
Test voltage relay winding/relay contact	2.5 kV AC
Test voltage relay contact/relay contact	2.5 kV AC
Ambient temperature (operation)	-20 °C ... 55 °C
Operating mode	100% operating factor
Service life mechanical	Approx. 10 ⁷ cycles
Standards/regulations	IEC 60664/IEC 60664 A/DIN VDE 0110
Standards/regulations	DIN EN 50178/VDE 0160 (in relev. parts)
Standards/regulations	IEC 60255/DIN VDE 0435 (in relev. parts)
Installation position	Any
Assembly instructions	In rows with zero spacing

Connection data

Conductor cross section, rigid min.	0.2 mm ²
Conductor cross section, rigid max.	4 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section, flexible max.	4 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max.	12
Stripping length	8 mm
Screw thread	M 3
Type of connection	Screw connection

► Certificates

Certificate logos



CUL

Comments	Input
Nominal voltage U_N	24 V
AWG/kcmil	30-12
Comments	Output
Nominal voltage U_N	240 V
Nominal current I_N	6 A
AWG/kcmil	30-12

UL

Comments	Input
Nominal voltage U_N	24 V
AWG/kcmil	30-12
Comments	Output
Nominal voltage U_N	240 V
Nominal current I_N	6 A
AWG/kcmil	30-12