

PSR-SCF-120UC/URM/4X1/2X2

Order No.: 2981460

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2981460>

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

Commercial data

EAN	4017918987800
Pack	1 Pcs.
Customs tariff	85044090
Weight/Piece	0.1393 KG
Catalog page information	Page 31 (IF-2007)

Product notes

WEEE/RoHS-compliant since:
05/02/2008



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Technical data

Input data

Nominal input voltage U_N	120 V AC/DC
Input voltage range in reference to U_N	0.8 ... 1.1
Typical input current at U_N	12 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

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 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 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
Type of connection	Screw connection

Certificates / Approvals



Certification

CUL Listed, GOST, UL Listed

Drawings

Circuit diagram

