

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

Order No.: 2981444



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



Commercial data

EAN	 4 017918 987787
sales group	G542
Pack	1 Pcs.
Customs tariff	85044090
Gross weight in pieces	0.137 KG
Net weight per piece	0.128 KG
Catalog page information	Page 99 (C-8-2013)

Product notes

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



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Technical data

Dimensions

Width	40 mm
Height	111 mm
Depth	56 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 55 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Max. permissible relative humidity (operation)	75 %
Max. permissible humidity (storage/transport)	75 %

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 contacts
	2 N/C contacts
Contact material	AgSnO ₂
Minimum switching voltage	15 V AC/DC
Maximum switching voltage	250 V AC/DC
Limiting continuous current	6 A (total current on request)
Inrush current, minimum	25 mA
Maximum inrush current	6 A
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

Relay type	Electromechanically forcibly guided, dust-proof relay.
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Mechanical service life	Approx. 10 ⁷ cycles
Mounting type	DIN rail mounting
Mounting position	any
Designation	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

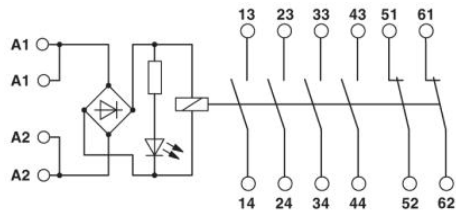
cULus Listed, GOST

Certifications applied for:

Certification Ex:

Drawings

Circuit diagram



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