

PSR-SPP-120UC/URM/5X1/2X2

Order No.: 2981415



Universal safety relay, 5 N/O contacts, 2 N/C contacts, 1-channel, pluggable connecting terminal blocks, width: 22.5 mm

Commercial data	
EAN	4046356051675
Pack	1 Pcs.
Customs tariff	85364900
Weight/Piece	0.1939 KG
Catalog page information	Page 31 (IF-2007)

Product notes

WEEE/RoHS-compliant since: 12/17/2007



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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	11 mA
Typical response time	20 ms
Typical release time	20 ms

Output data

Contact type	5 N/O, 2 N/C contacts
Contact material	AgSnO ₂ , + 0.2 μm Au
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	15 V AC/DC
Limiting continuous current	6 A
Maximum inrush current	6 A
Inrush current, minimum	25 mA
Sq. Total current	$72 \text{ A}^2 (I_{TH}^2 = I_1^2 + I_2^2 + \dots + I_5^2)$
Interrupting rating (ohmic load) max.	144 W (24 V DC, $\tau = 0 \text{ ms}$)
	288 W (48 V DC, $\tau = 0 \text{ ms}$)
	110 W (110 V DC, $\tau = 0 \text{ ms}$)
	88 W (220 V DC, $\tau = 0 \text{ ms}$)
	1500 VA (250 V AC, $\tau = 0 \text{ ms}$)
Maximum interrupting rating (inductive load)	42 W (24 V DC, $\tau = 40 \text{ ms}$)
	42 W (48 V DC, $\tau = 40 \text{ ms}$)
	42 W (110 V DC, $\tau = 40 \text{ ms}$)
	42 W (220 V DC, $\tau = 40 \text{ ms}$)
Switching capacity min.	0.4 W
Output fuse	6 A fast blow
	4 A circuit-breaker C

General data

Length	112 mm
Width	22.5 mm
Height	114.5 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 isolation (safe isolation, increased isolation and 6 kV between A1/A2, 13/14, 23/24, 33/34 and 43/44, 53/54, 61/62, 71/72.)
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.	1.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	1.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	16
Stripping length	8 mm
Type of connection	Spring-cage conn.

Certificates / Approvals



Certification

CUL Listed, GOST, UL Listed

Drawings

Circuit diagram

