

PSR-SPP- 24UC/URM4/5X1/2X2/B

Item cannot be ordered online at present.

Order No.: 2981046



<http://catalog.phoenixcontact.net/phoenix/treeViewClick.do?UID=2981046>

Single or two-channel contact extension, 5 N/O contacts, 1 N/C contact, 1 confirmation current path, plug-in spring-cage terminal blocks, width: 22.5 mm



Commercial data

EAN	 4 017918 915520
Note	Made-to-order
sales group	G540
Pack	1 Pcs.
Customs tariff	85364900
Gross weight in pieces	0.2707 KG
Net weight per piece	0.19498 KG
Catalog page information	Page 77 (C-8-2013)

Product notes

WEEE/RoHS-compliant since:
12/05/2006



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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

Dimensions

Width	22.5 mm
Height	112 mm
Depth	114.5 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 55 °C
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Ambient temperature (storage/transport)	-40 °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	92 mA
Typical response time	20 ms
Typical release time	20 ms
Status display	Green LED

Output data

Contact type	5 enabling current paths 1 signaling current path 1 confirmation current path
Contact material	AgSnO ₂ , + 0.2 µm Au
Minimum switching voltage	15 V AC/DC
Maximum switching voltage	250 V AC/DC
Limiting continuous current	6 A (N/O contact) 3 A (N/C contact)
Inrush current, minimum	25 mA
Maximum inrush current	6 A (N/O contact) 3 A (N/C contact)
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, $\tau = 0 \text{ ms}$, N/C contact 11/12, 71/72: 72 W) 288 W (48 V DC, $\tau = 0 \text{ ms}$, N/C contact 11/12, 71/72: 144 W) 110 W (110 V DC, $\tau = 0 \text{ ms}$) 88 W (220 V DC, $\tau = 0 \text{ ms}$) 1500 VA (250 V AC, $\tau = 0 \text{ ms}$, N/C contact 11/12, 71/72: 750 VA)
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 C6 (24 V AC/DC) automatic device

General

Relay type	Electromechanically forcibly guided, dust-proof relay.
Mechanical service life	Approx. 10^7 cycles
Mounting type	DIN rail mounting
Degree of protection	IP20
Min. degree of protection of inst. location	IP54
Mounting position	any
Category according to EN 13849-1	4
Stop category	0
Designation	Air and creepage distances between the power circuits
Standards/regulations	DIN EN 50178/VDE 0160
Rated surge voltage / insulation	4 kV / basic isolation (safe isolation, increased isolation and 6 kV between A1/A2, 11/12, 23/24, 71/72 and 33/34, 43/44, 53/54, 63/64.)
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
Connection method	Spring-cage connection

Certificates / Approvals



Certification

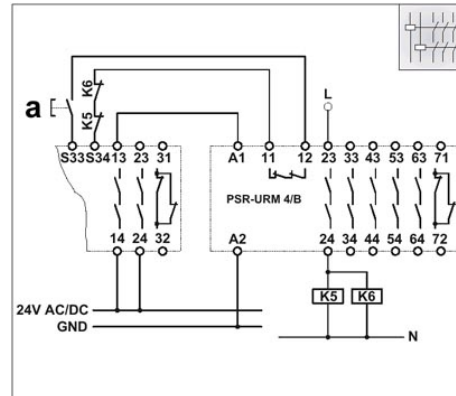
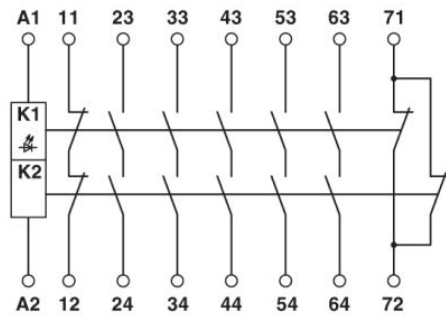
cULus Listed, GOST, Functional Safety

Certifications applied for:

Certification Ex:

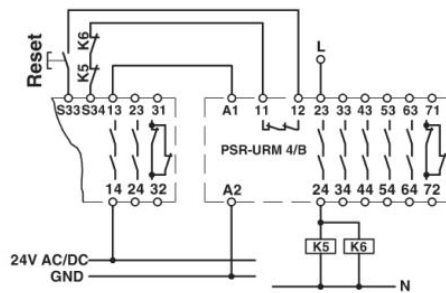
Drawings

Circuit diagram



a = RESET

One-channel connection with checkback path 11/12 integrated in the basic device, suitable up to safety category 2/4. Depends on the basic device. With externally monitored contacts.



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