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▶ Extract from the online catalog



1-channel extension module, 5 N/O contacts, 1 N/C contact, 1 acknowledge current path, pluggable connecting terminal blocks with spring-cage connection, width: 22.5 mm

Order No.	2981046
Ord designation	PSR-SPP- 24UC/URM4/5X1/2X2/B
EAN	4017918915520
Pack	1 Pcs.
Customs tariff	85364900
Weight/Piece	0.253 KG
Catalog page information	Page 31 (IF-2007)

▶ Product notes

WEEE/RoHS-compliant since: 12/18/2006





IMPORTANT : This date is valid for Customers in Germany only. Date Format is MM/DD/YYYY. Please contact your local in-country Phoenix Contact location or designated business partner for a Logistics Compliant date in your area. In order to guarantee delivery of RoHS-Compliant product, please purchase Phoenix Contact parts from authorized Phoenix Contact representatives and distributors.

► Technical data

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

Output data

Contact type	5 enabling current paths, 1 signaling current path, 1 checkback current path
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 (N/O contact)
Limiting continuous current	3 A (N/C contact)
Maximum inrush current	6 A (N/O contact)
Maximum inrush current	3 A (N/C contact)
Inrush current, minimum	25 mA
Sq. Total current	$72 \text{ A}^2 (I_{\text{TH}}^2 = I_1^2 + I_2^2 + \dots + I_5^2)$
Power rating (ohmic load) max.	144 W (24 V DC, $\tau = 0$ ms, N/C contact 11/12, 71/72: 72 W)
Power rating (ohmic load) max.	288 W (48 V DC, $\tau = 0$ ms, N/C contact 11/12, 71/72: 144 W)
Power rating (ohmic load) max.	110 W (110 V DC, $\tau = 0$ ms)
Power rating (ohmic load) max.	88 W (220 V DC, $\tau = 0$ ms)
Power rating (ohmic load) max.	1500 VA (250 V AC, $\tau = 0$ ms, N/C contact 11/12, 71/72: 750 VA)
Maximum power rating (inductive load)	42 W (24 V DC, $\tau = 40$ ms)
Maximum power rating (inductive load)	42 W (48 V DC, $\tau = 40$ ms)
Maximum power rating (inductive load)	42 W (110 V DC, $\tau = 40$ ms)
Maximum power rating (inductive load)	42 W (220 V DC, $\tau = 40$ ms)
Switching capacity min.	0.4 W
Output fuse	6 A fast blow
Output fuse	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
Installation position	Any
Category in acc. with EN 954-1	4
Stop category	0



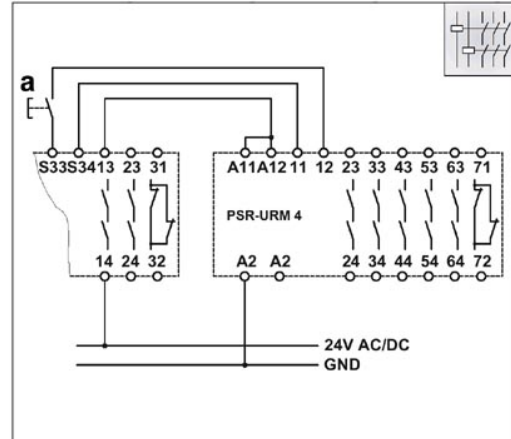
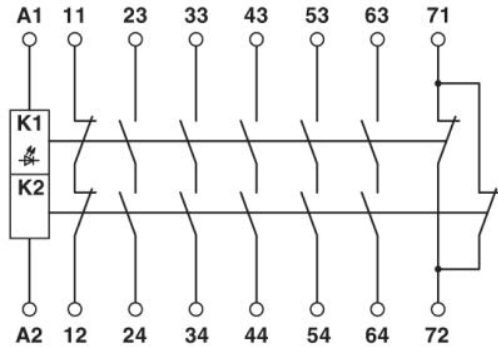
Name	Air and creepage distances between the power circuits
Standards/regulations	DIN EN 50178/VDE 0160
Rated surge voltage / insulation	4 kV / basic isolation (safe isolation, increased isolation and 6 kV between A1/A2, 11/12, 23/24, 71/72 und 33/34, 43/44, 53/54, 63/64.)
Rated insulation voltage	250 V
Contamination class	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.

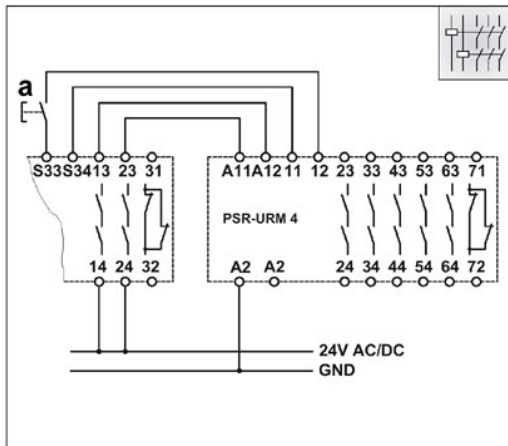
► Drawings

Circuit diagram



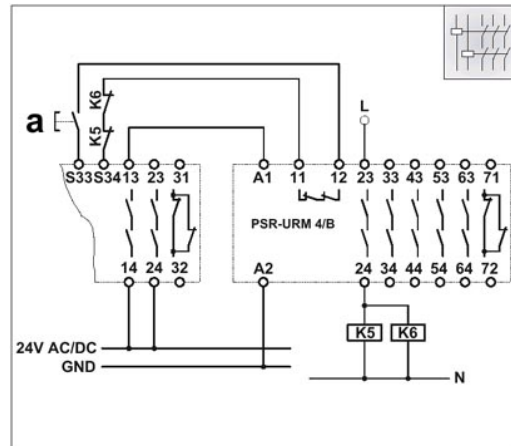
a = RESET

One-channel connection with checkback path 11/12 integrated in the basic device, suitable up to safety category 4.



a = RESET

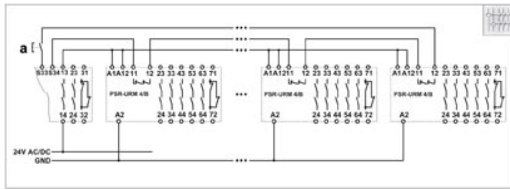
Two-channel connection with checkback path 11/12 integrated in the basic device, suitable up to safety category 4.



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.



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.

Connection of several expansion modules.



► Address

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