

Extension modules

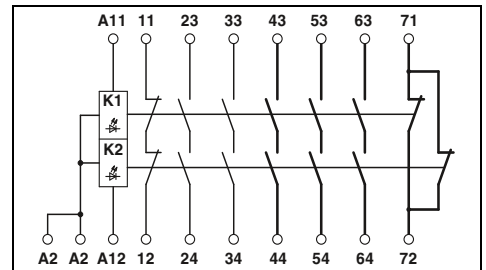
- single- and two-channel control
- 5 enabling, 1 signaling, and 1 confirmation current path
- Option of basic insulation or reinforced insulation
- Up to Cat. 4/PL e according to EN ISO 13849-1, SILCL 3 according to IEC EN 62061



Contact extension with reinforced insulation



Applied for: Functional Safety



Technical data

Input data	
Nominal input voltage U_N	24 V AC/DC
Permissible range (with reference to U_N)	0.8 ... 1.1
Typ. current consumption (with reference to U_N)	47 mA (per channel)
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Typ. release time (K1, K2) at U_N	20 ms
Output data	
Typical response time	20 ms
Contact type	5 enabling current paths 1 signaling current path 1 confirmation current path
Contact material	AgSnO ₂ , +0.2 μm Au
Max./min. switching voltage	250 V AC/DC / 15 V AC/DC
Limiting continuous current	6 A (N/O contact), 3 A (N/C contact 11/12)
Max./min. inrush current	6 A, 3 A (N/C contact 11/12) / 25 mA
Min. switching power	0.4 W
Switching capacity (360/h cycles)	4 A (24 V DC); 4 A (230 V AC)
Switching capacity (3600/h cycles)	2.5 A (24 V (DC13)); 3 A (230 V (AC 15))
Short-circuit protection of the output circuits	6 A fast blow, C6 (24 V AC/DC) automatic device
General data	
Ambient temperature range	-20 °C ... 55 °C
Air and creepage distances between the circuits	DIN EN 50178/VDE 0160
Rated surge voltage/insulation	4 kV / basic insulation, (safe isolation, reinforced insulation, and 6 kV between input circuit and enabling current paths (43/44, 53/54, 63/64, 71/72) and between 43/44, 53/54, 63/64, 71/72 between each other)
Screw connection solid / stranded / AWG	0.2 - 2.5 mm ² / 0.2 - 2.5 mm ² / 24 - 12
Spring-cage connection solid / stranded / AWG	0.2 - 1.5 mm ² / 0.2 - 1.5 mm ² / 24 - 16
Dimensions	35 mm / 99 mm / 114.5 mm
W / H / D	Screw version 35 mm / 112 mm / 114.5 mm
EMC note	Spring-cage version Class A product, see page 527

Ordering data

Description
Extension module with single- or two-channel control
With screw connection
With spring-cage connection
Extension module , with single-channel control
With screw connection
With spring-cage connection

Type	Order No.	Pcs. / Pkt.
PSR-SCP- 24UC/URM4/5X1/2X2	2963734	1
PSR-SPP- 24UC/URM4/5X1/2X2	2964005	1