

Extension module - PSR-SPP- 24UC/URM4/5X1/2X2 - 2964005

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Single-channel or two-channel contact extension, 5 N/O contacts, 1 N/C contact, 1 confirmation current path, together with basic unit up to Cat. 4 PL e according to EN ISO 13849 safe isolation, plug-in terminal blocks, width: 35 mm

The figure shows a version with a screw connection

Why buy this product

- Five enabling, one signaling, and one confirmation current path
- Up to Cat. 4/PL e according to ISO 13849-1, SILCL 3 according to IEC 62061, SIL 3 according to IEC 61508
- Single and two-channel control



Key commercial data

Packing unit	1 pc
GTIN	 4 017918 904739
Weight per Piece (excluding packing)	270.18 g
Custom tariff number	85371099
Country of origin	Germany

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
-------------------------	---

Dimensions

Width	35 mm
Height	112 mm
Depth	114.5 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 55 °C
---------------------------------	------------------

Extension module - PSR-SPP- 24UC/URM4/5X1/2X2 - 2964005

Technical data

Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 70 °C
---	------------------

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	47 mA (per channel)
Typical response time	20 ms
Typical release time	20 ms
Concurrence input 1/2	∞
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 11/12)
Inrush current, minimum	25 mA
Maximum inrush current	6 A
	3 A (N/C contact 11/12)
Sq. Total current	$72 A^2 (I_{TH}^2 = I_1^2 + I_2^2 + \dots + I_5^2)$
Interrupting rating (ohmic load) max.	144 W (24 V DC, $\tau = 0$ ms, N/C contact 11/12: 72 W)
	288 W (48 V DC, $\tau = 0$ ms, N/C contact 11/12: 144 W)
	110 W (110 V DC, $\tau = 0$ ms)
	88 W (220 V DC, $\tau = 0$ ms)
	1500 VA (250 V AC, $\tau = 0$ ms, N/C contact 11/12: 750 VA)
Maximum interrupting rating (inductive load)	42 W (24 V DC, $\tau = 40$ ms)
	42 W (48 V DC, $\tau = 40$ ms)
	42 W (110 V DC, $\tau = 40$ ms)
	42 W (220 V DC, $\tau = 40$ 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

Extension module - PSR-SPP- 24UC/URM4/5X1/2X2 - 2964005

Technical data

General

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, 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 themselves.)
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

Classifications

eCl@ss

eCl@ss 4.0	27371102
eCl@ss 4.1	27371102
eCl@ss 5.0	27371901
eCl@ss 5.1	27371901
eCl@ss 6.0	27371819
eCl@ss 7.0	27371819
eCl@ss 8.0	27371819

ETIM

ETIM 2.0	EC000196
ETIM 3.0	EC001449
ETIM 4.0	EC001449
ETIM 5.0	EC001449

UNSPSC

UNSPSC 6.01	30211901
-------------	----------

Extension module - PSR-SPP- 24UC/URM4/5X1/2X2 - 2964005

Classifications

UNSPSC

UNSPSC 7.0901	39121501
UNSPSC 11	39121501
UNSPSC 12.01	39121501
UNSPSC 13.2	39121501

Approvals

Approvals

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

Approvals submitted

Functional Safety

Approval details

UL Listed

cUL Listed

EAC

cULus Listed

Drawings

Extension module - PSR-SPP- 24UC/URM4/5X1/2X2 - 2964005

Circuit diagram

Two-channel emergency stop monitoring with contact extension

Circuit diagram

