

# PSR-SCP- 24DC/URM4/5X1/2X2/B - Extension module



1442344

<https://www.phoenixcontact.com/gb/products/1442344>

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 documentation. Our general terms of use for downloads are valid.

---



1-channel or 2-channel contact extension, 5 N/O contacts, 1 N/C contact, 1 confirmation current path, together with basic device up to Cat. 4 PL e in accordance with EN ISO 13849 safe isolation, width: 22.5 mm, pluggable screw terminal block

---

## Your advantages

- 1- and 2-channel control
- Up to Cat. 4/PL e in accordance with EN ISO 13849-1, SIL 3 in accordance with EN IEC 62061, SIL 3 in accordance with IEC 61508

# PSR-SCP- 24DC/URM4/5X1/2X2/B - Extension module



1442344

<https://www.phoenixcontact.com/gb/products/1442344>

## Technical data

### Notes

#### Note on application

Note on application	Only for industrial use
---------------------	-------------------------

### Product properties

Product family	PSRclassic
Application	Extension module
Control	1 and 2 channel
Mechanical service life	10x 10 <sup>6</sup> cycles
Relay type	Electromechanical relay with force-guided contacts in accordance with IEC/EN 61810-3

#### Insulation characteristics

Overvoltage category	III
Degree of pollution	2

#### Times

Typ. starting time with U <sub>s</sub>	< 25 ms (with U <sub>s</sub> / when controlled via A1)
Typical release time	< 20 ms (with U <sub>s</sub> / when controlled via A1)
Recovery time	< 1 s

### Electrical properties

Maximum power dissipation for nominal condition	16.6 W (U <sub>S</sub> = 26.4 V, I <sub>L</sub> <sup>2</sup> = 72 A <sup>2</sup> , P <sub>Total max</sub> = 2.2 W + 14.4 W)
Nominal operating mode	100% operating factor
Rated insulation voltage	250 V
Rated surge voltage/insulation	See data sheet, section "Insulation coordination".

### Input data

#### Digital: A1

Description of the input	safety-related
Number of inputs	1
Input voltage range "1" signal	19.2 V ... 26.4 V
Max. permissible overall conductor resistance	25 Ω
Protective circuit	Suppressor diode
Current consumption	typ. 75 mA

### Output data

#### Relay: Enabling current paths (23/24 ... 63/64)

Output description	2 N/O contacts each in series, safety-related, floating
Number of outputs	5
Contact switching type	5 enabling current paths

# PSR-SCP- 24DC/URM4/5X1/2X2/B - Extension module



1442344

<https://www.phoenixcontact.com/gb/products/1442344>

Contact material	AgSnO <sub>2</sub>
Switching voltage	min. 10 V
	max. 250 V AC/DC
Switching power	min. 100 mW
Inrush current	min. 10 mA
	max. 20 A (≤ 100 ms)
Switching capacity	3 A (AC15)
	5 A (DC13)
Limiting continuous current	6 A (observe derating)
Sq. Total current	72 A <sup>2</sup> (observe derating)
Switching frequency	max. 1 Hz
Mechanical service life	10x 10 <sup>6</sup> cycles
Output fuse	10 A gL/gG
	4 A gL/gG (for low-demand applications)

## Relay: Signaling current path (71/72)

Output description	2 N/C contacts parallel, non-safety-related, floating
Number of outputs	1
Contact switching type	1 signaling current path
Contact material	AgSnO <sub>2</sub>
Switching voltage	min. 5 V AC/DC
	max. 250 V AC/DC
Switching power	min. 50 mW
Inrush current	min. 10 mA
	max. 6 A
Switching capacity	1.5 A (AC15)
	5 A (DC13)
Limiting continuous current	6 A
Sq. Total current	36 A <sup>2</sup>
Switching frequency	max. 1 Hz
Mechanical service life	10x 10 <sup>6</sup> cycles
Output fuse	6 A (gL/gG)

## Relay: Confirmation current path (11/12)

Output description	Diagnostic contact, 2 NC in series, floating
Number of outputs	1
Contact switching type	1 confirmation current path
Contact material	AgSnO <sub>2</sub>
Switching voltage	min. 10 V
	max. 250 V AC/DC
Switching power	min. 100 mW
Inrush current	min. 10 mA
	max. 6 A
Switching capacity	1.5 A (AC15)
	3 A (DC13)

# PSR-SCP- 24DC/URM4/5X1/2X2/B - Extension module



1442344

<https://www.phoenixcontact.com/gb/products/1442344>

Limiting continuous current	6 A
Sq. Total current	36 A <sup>2</sup>
Switching frequency	max. 0.5 Hz
Mechanical service life	10x 10 <sup>6</sup> cycles
Output fuse	10 A (gL/gG)

## Connection data

### Connection technology

pluggable	yes
-----------	-----

### Conductor connection

Connection method	Screw connection
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section AWG	24 ... 12
Stripping length	7 mm
Screw thread	M3
Tightening torque	0.5 Nm ... 0.6 Nm

## Signaling

Operating voltage display	1 x LED (green)
---------------------------	-----------------

## Dimensions

Width	22.5 mm
Height	99 mm
Depth	114.5 mm

## Material specifications

Color (Housing)	yellow (RAL 1018)
Housing material	PA

## Characteristics

### Safety data

Stop category	0
---------------	---

### Safety data: EN ISO 13849

Performance level (PL)	e (In conjunction with suitable evaluating device)
------------------------	--

### Safety data: IEC 61508 - High demand

Safety Integrity Level (SIL)	3 (In conjunction with suitable evaluating device)
------------------------------	--

### Safety data: IEC 61508 - Low demand

Safety Integrity Level (SIL)	3 (In conjunction with suitable evaluating device)
------------------------------	--

### Safety data: EN IEC 62061

Safety Integrity Level (SIL)	3 (In conjunction with suitable evaluating device)
------------------------------	--

# PSR-SCP- 24DC/URM4/5X1/2X2/B - Extension module



1442344

<https://www.phoenixcontact.com/gb/products/1442344>

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Min. degree of protection of inst. location	IP54
Ambient temperature (operation)	-20 °C ... 55 °C (observe derating)
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Maximum altitude	max. 2000 m (Above sea level)
Max. permissible humidity (storage/transport)	75 %
Max. permissible relative humidity (operation)	75 %
Shock	15g
Vibration (operation)	10 Hz ... 150 Hz, amplitude 0.15 mm, 2g

## Approvals

### CE

Identification	CE-compliant
----------------	--------------

## Mounting

Mounting type	DIN rail mounting
Assembly note	See derating curve
Mounting position	vertical or horizontal

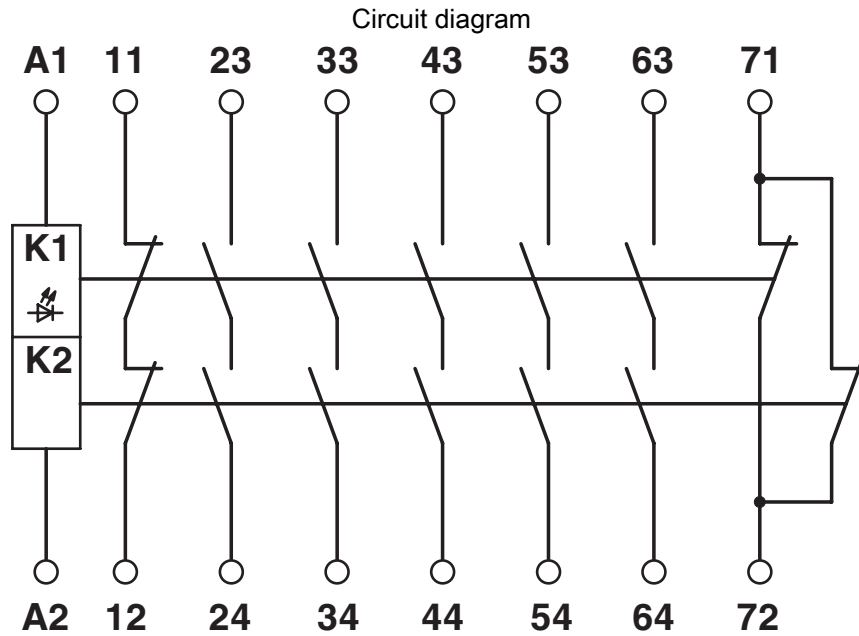
# PSR-SCP- 24DC/URM4/5X1/2X2/B - Extension module



1442344

<https://www.phoenixcontact.com/gb/products/1442344>

## Drawings



Block diagram

# PSR-SCP- 24DC/URM4/5X1/2X2/B - Extension module



1442344

<https://www.phoenixcontact.com/gb/products/1442344>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1442344>



**cULus Listed**

Approval ID: E140324



**cULus Listed**

Approval ID: E140324



**Functional Safety**

Approval ID: 968/FSP1265.03/23



**Functional Safety**

Approval ID: 968/FSP1265.03/23

# PSR-SCP- 24DC/URM4/5X1/2X2/B - Extension module



1442344

<https://www.phoenixcontact.com/gb/products/1442344>

## Classifications

### ECLASS

ECLASS-13.0	27371819
ECLASS-15.0	27371819
ECLASS-15.0 ASSET	27250101

### ETIM

ETIM 10.0	EC001449
-----------	----------

### UNSPSC

UNSPSC 21.0	39122200
-------------	----------

# PSR-SCP- 24DC/URM4/5X1/2X2/B - Extension module



1442344

<https://www.phoenixcontact.com/gb/products/1442344>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	8b6a9856-2e59-434b-bb8a-e5fc08c3d5e4

### EF3.1 Climate Change

CO2e kg	3.482 kg CO2e
---------	---------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

PHOENIX CONTACT Ltd  
Halesfield 13, Telford  
Shropshire, TF7 4PG  
01952 681700  
[info@phoenixcontact.co.uk](mailto:info@phoenixcontact.co.uk)