

Coupling relay - PSR-SPP- 24UC/URM/5X1/1X2 - 2981965

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>)



Safe coupling relay with force-guided contacts, 5 N/O contacts, 1 N/C contact, width: 22.5 mm, pluggable Push-in terminal block


The figure shows the PSR-SCP-24UC/URM /5X1/1X2 2981952 variant

Your advantages

- ✓ Suitable up to category 1, PL c (EN ISO 13849-1), SILCL 1 (EN 62061), SIL 1 (IEC 61508)
- ✓ Safe readback due to force-guided signal contact in accordance with EN 50205
- ✓ Easy proof test according to IEC 61508 thanks to integrated signal contact
- ✓ One or two-channel activation
- ✓ 5 enabling current paths, 1 confirmation current path
- ✓ Time saving push-in connection, tools not required
- ✓ Potentials can be easily looped through – ideal for BUS applications
- ✓ Intuitive use through colour coded actuation lever
- ✓ Can be combined with the MSTB 2,5 range
- ✓ Quick and convenient testing using integrated test option



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 343572
GTIN	4046356343572
Weight per Piece (excluding packing)	173.000 g
Custom tariff number	85364900
Country of origin	Germany

Technical data

Note

Coupling relay - PSR-SPP- 24UC/URM/5X1/1X2 - 2981965

Technical data

Note

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

Dimensions

Width	22.5 mm
Height	114.5 mm
Depth	112 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 55 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Max. permissible relative humidity (operation)	75 % (on average, 85% infrequently, non-condensing)
Max. permissible humidity (storage/transport)	75 % (on average, 85% infrequently, non-condensing)
Maximum altitude	max. 2000 m (Above sea level)

Input data

Rated control circuit supply voltage U_s	24 V AC/DC -15 % / +10 %
Rated control supply current I_s	typ. 47 mA
Power consumption at U_s	typ. 1.2 W
Inrush current	typ. 350 mA DC ($\Delta t < 1 \mu s$ at U_s)
	typ. 350 mA AC ($\Delta t = 2 ms$ at U_s)
Typ. starting time with U_s	typ. 20 ms (when controlled via A1)
Typical release time	typ. 20 ms (when controlled via A1)
Recovery time	< 500 ms
Operating voltage display	1 x green LED
Protective circuit	Surge protection Varistor
Maximum switching frequency	0.5 Hz

Output data

Contact type	5 enabling current paths
	1 signaling current path
Contact material	AgSnO ₂
Maximum switching voltage	230 V AC/DC (Observe the load curve)
Minimum switching voltage	5 V AC/DC
Limiting continuous current	6 A (N/O contact)
	6 A (N/C contact)
Maximum inrush current	6 A
Inrush current, minimum	10 mA
Sq. Total current	72 A ²
Interrupting rating (ohmic load) max.	144 W (N/O contact, 24 V DC, $\tau = 0 ms$)
	288 W (N/O contact, 48 V DC, $\tau = 0 ms$)
	240 W (N/O contact, 60 V DC, $\tau = 0 ms$)
	110 W (N/O contact, 110 V DC, $\tau = 0 ms$)