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

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

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

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

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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 (Δt < 1 µs at U_s)
	typ. 350 mA AC (Δt = 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, τ = 0 ms)
	288 W (N/O contact, 48 V DC, τ = 0 ms)
	240 W (N/O contact, 60 V DC, τ = 0 ms)
	110 W (N/O contact, 110 V DC, τ = 0 ms)