

## Safety relays - PSR-MC60-2NO-1DO-24DC-SP - 2700572

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>)



Safety relay for two-hand control devices according to EN 574 type IIIA, up to SILCL 1, Cat. 1, PL c, synchronous activation monitoring < 0.5 s, 2 enabling current paths,  $U_s = 24$  V DC, pluggable Push-in terminal block


The figure shows a version with a screw connection

### Your advantages

- ✓ Up to Cat. 1/PL c according to ISO 13849-1, SILCL 1 according to IEC 62061
- ✓ Type IIIA according to EN 574
- ✓ Low housing width of just 12.5 mm
- ✓ 2 enabling current paths, 1 digital signal output
- ✓ Automatic activation
- ✓ 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 988360
GTIN	4046356988360
Weight per Piece (excluding packing)	111.280 g
Custom tariff number	85371098
Country of origin	Germany
Note	Made to Order (non-returnable)

### Technical data

Note

# Safety relays - PSR-MC60-2NO-1DO-24DC-SP - 2700572

## Technical data

### Note

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

### Dimensions

Width	12.5 mm
Height	116.6 mm
Depth	114.5 mm

### Ambient conditions

Ambient temperature (operation)	-35 °C ... 60 °C (observe derating)
Ambient temperature (storage/transport)	-40 °C ... 85 °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	≤ 2000 m (Above sea level)

### Power supply

Designation	A1/A2
Rated control circuit supply voltage $U_s$	24 V DC -20 % / +25 %
	19.2 V DC ... 30 V DC
Rated control supply current $I_s$	typ. 35 mA
Power consumption at $U_s$	typ. 0.9 W
Inrush current	typ. 20 A ( $\Delta t = 10 \mu s$ at $U_s$ )
Filter time	10 ms (For the logic. At A1 in the event of voltage dips at $U_s$ )
Protective circuit	Surge protection Suppressor diode
	Protection against polarity reversal for rated control circuit supply voltage

### Digital inputs

Input name	Sensor circuit
	S12, S22
Description of the input	safety-related sensor inputs
Number of inputs	2
Inrush current	< 5.5 mA (with $U_s/I_x$ at S12)
	> -5.5 mA (with $U_s/I_x$ to S22)
Current consumption	< 5.1 mA (with $U_s/I_x$ at S12)
	> -5.1 mA (with $U_s/I_x$ to S22)
Max. permissible overall conductor resistance	150 $\Omega$
Concurrence input 1/2	< 0.5 s
	S35
Description of the input	non-safety-related
Number of inputs	1
Inrush current	< 5.5 mA (typically with $U_s$ )
Current consumption	< 5.1 mA (typically with $U_s$ )
Max. permissible overall conductor resistance	150 $\Omega$