



## PS216-T12-S200

- thermoplastic enclosure with foldable latching cover
- Quick connection technology as connection terminals rotated by 45°
- Simple and quick to adjust the control elements by 45°.
- cable entry 1 x M20 x 1,5
- Design to EN 50047

## Data

### Ordering data

EAN (European Article Number) 4030661501024

### Approval - Standards

Certificates cULus  
CCC  
EAC

### General data

Standards IEC 60947-5-1  
Housing construction form Norm construction design  
Actuator type to DIN EN 50047 B  
Enclosure material Plastic, glass-fibre-reinforced  
Material of the contacts, electrical Silver  
Gross weight 70.6 g

## General data - Features

Safety functions	Yes
Number of auxiliary contacts	1
Number of safety contacts	2

## Safety appraisal

Standards	EN ISO 13849-1
Mission Time	20 Year(s)

## Safety appraisal - Safety outputs

B10d Normally-closed contact (NC)	20,000,000 Operations
-----------------------------------	-----------------------

## Mechanical data

Actuating element	plunger S200
Mechanical life, minimum	10,000,000 Operations
Positive break force, minimum	40 N
Actuating speed, minimum	60 mm/min
Actuating speed, maximum	0.5 m/s

## Mechanical data - Connection technique

Terminal Connector	Screw connection
Cable section, minimum	0.34 mm <sup>2</sup>
Cable section, maximum	1.5 mm <sup>2</sup>

## Mechanical data - Dimensions

Length of sensor	32.5 mm
Width of sensor	31 mm

Height of sensor	75.5 mm
------------------	---------

## Ambient conditions

Degree of protection	IP66 IP67
Ambient temperature, minimum	-30 °C
Ambient temperature, maximum	+80 °C

## Ambient conditions - Insulation value

Rated insulation voltage $U_i$	300 V
Rated impulse withstand voltage $U_{imp}$	4 kV

## Electrical data

Thermal test current	5 A
Required rated short-circuit current to EN 60947-5-1	400 A
Utilisation category AC-15	240 VAC
Utilisation category AC-15	3 A
Utilisation category DC-13	24 VDC
Utilisation category DC-13	3 A
Switching element	1 NO contact, 2 NC contacts
Switching principle	Creep circuit element
Switching frequency	5,000 /h

Schmersal, Inc., 15 Skyline Drive, Hawthorne, NY 10532

The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.

Generated on: 11/9/2021, 11:10 AM