



## PS316-T11-R300

- 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 50041

## Data

### Ordering data

EAN (European Article Number) 4030661502557

### 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        | c                               |
| Enclosure material                   | Plastic, glass-fibre-reinforced |
| Material of the contacts, electrical | Silver                          |
| Gross weight                         | 111.3 g                         |

## General data - Features

|                              |     |
|------------------------------|-----|
| Safety functions             | Yes |
| Number of auxiliary contacts | 1   |
| Number of safety contacts    | 1   |

## 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             | Roller plunger S300   |
| Mechanical life, minimum      | 10,000,000 Operations |
| Positive break force, minimum | 50 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 | 37 mm |
| Width of sensor  | 41 mm |

|                  |        |
|------------------|--------|
| Height of sensor | 117 mm |
|------------------|--------|

### Ambient conditions

|                              |              |
|------------------------------|--------------|
| Degree of protection         | IP66<br>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                                 | 10 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, 1 NC contacts |
| Switching principle                                  | Creep circuit element       |
| Switching frequency                                  | 5,000 /h                    |

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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.

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