



## PS316-Z11-S300

- 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) 4030661502397

### 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                         | 113 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             | Plunger S300          |
| Mechanical life, minimum      | 10,000,000 Operations |
| Positive break force, minimum | 50 N                  |
| Actuating speed, minimum      | 10 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 | 104 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                                  | Snap switch 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.

Generated on: 11/9/2021, 11:38 AM