



## PS315-Z02-R300

- Metal enclosure
- 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
- LED version available

## Data

### Ordering data

|                               |                |
|-------------------------------|----------------|
| Product type description      | PS315-Z02-R300 |
| Article number (order number) | 103015100      |
| EAN (European Article Number) | 4030661502502  |
| eCl@ss number, version 9.0    | 27-27-26-01    |
| eCl@ss number, version 11.0   | 27-27-26-01    |
| eCl@ss number, version 12.0   | 27-27-26-01    |
| ETIM number, version 7.0      | EC000030       |
| ETIM number, version 6.0      | EC000030       |

### Approvals - Standards

|              |                     |
|--------------|---------------------|
| Certificates | cULus<br>CCC<br>EAC |
|--------------|---------------------|

### General data

|                           |                          |
|---------------------------|--------------------------|
| Standards                 | EN IEC 60947-5-1         |
| Housing construction form | Norm construction design |

|                                      |                      |
|--------------------------------------|----------------------|
| Actuator type to DIN EN 50047        | c                    |
| Enclosure material                   | Metal, zinc die-cast |
| Enclosure coating material           | painted              |
| Material of the contacts, electrical | Silver               |
| Gross weight                         | 361 g                |

## General data - Features

|                           |     |
|---------------------------|-----|
| Safety functions          | Yes |
| Number of safety contacts | 2   |

## Safety classification

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

## Safety classification - Safety outputs

|                                               |                       |
|-----------------------------------------------|-----------------------|
| B <sub>10D</sub> Normally-closed contact (NC) | 20,000,000 Operations |
|-----------------------------------------------|-----------------------|

## Mechanical data

|                               |                       |
|-------------------------------|-----------------------|
| Actuating element             | Roller plunger S300   |
| Roller material               | Plastic               |
| 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

|                        |                           |
|------------------------|---------------------------|
| Termination            | Screw terminals M20 x 1.5 |
| Cable section, minimum | 0.34 mm²                  |
| Cable section, maximum | 1.5 mm²                   |

## Mechanical data - Dimensions

|                  |        |
|------------------|--------|
| Length of sensor | 37 mm  |
| Width of sensor  | 41 mm  |
| Height of sensor | 117 mm |

## Ambient conditions

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

## Ambient conditions - Insulation values

|                                           |       |
|-------------------------------------------|-------|
| 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                                    | 2 NC contact |
| Switching principle                                  | Snap action  |
| 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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