



## PS116-Z11-ST-H200

- connector plug M12, bottom
- Snap action 1 Normally open contact (NO) / 1 Opener (NC)
- Thermoplastic enclosure
- Symmetric enclosure
- Lever angle adjustable in 15° steps
- Protection class IP66, IP67
- Actuator heads can be repositioned by 8 x 45°

## Data

### Ordering data

|                               |                   |
|-------------------------------|-------------------|
| Product type description      | PS116-Z11-ST-H200 |
| Article number (order number) | 103006659         |
| EAN (European Article Number) | 4030661442907     |
| 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 |
| Terminal (mechanical) | bottom           |

|                                      |                                                                         |
|--------------------------------------|-------------------------------------------------------------------------|
| Housing construction form            | Norm construction design                                                |
| Actuator type to DIN EN 50047        | A                                                                       |
| Enclosure material                   | Plastic, glass-fibre reinforced thermoplastic, zinc die-cast, chromated |
| Material of the contacts, electrical | Silver                                                                  |
| Gross weight                         | 109 g                                                                   |

## General data - Features

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

## 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 lever H200     |
| Mechanical life, minimum  | 10,000,000 Operations |
| Actuating speed, minimum  | 92 mm/min             |
| Actuating speed, maximum  | 1 m/s                 |
| Actuating torque, minimum | 0.2 Nm                |
| Positive break torque     | 0.6 Nm                |

## Mechanical data - Connection technique

|             |                       |
|-------------|-----------------------|
| Termination | Connector M12, 4-pole |
|-------------|-----------------------|

## Mechanical data - Dimensions

|                     |         |
|---------------------|---------|
| Length of sensor    | 16.6 mm |
| Width of sensor     | 31 mm   |
| Height of sensor    | 101 mm  |
| Diameter of Castor  | 16 mm   |
| Length of the lever | 24 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 $U_{imp}$ | 2.5 kV |

## Electrical data

|                                                      |                        |
|------------------------------------------------------|------------------------|
| Thermal test current                                 | 2.5 A                  |
| Required rated short-circuit current to EN 60947-5-1 | 1,000 A                |
| Utilisation category AC-15                           | 240 VAC                |
| Utilisation category AC-15                           | 1.5 A                  |
| Utilisation category DC-13                           | 24 VDC                 |
| Utilisation category DC-13                           | 1.5 A                  |
| Switching element                                    | NO contact, NC contact |
| Switching principle                                  | Snap action            |
| Bounce duration, maximum                             | 3 ms                   |
| Switching frequency                                  | 5,000 /h               |
| Switchover time, maximum                             | 5.5 ms                 |

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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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