



## PS116-Z11-L200-K250

- Pre-wired cable bottom, 2
- Snap action 1 Normally open contact (NO) / 1 Opener (NC)
- Thermoplastic enclosure
- Symmetric enclosure
- Protection class IP66, IP67
- Actuator heads can be repositioned by 8 x 45°

## Data

### Ordering data

|                               |                     |
|-------------------------------|---------------------|
| Product type description      | PS116-Z11-L200-K250 |
| Article number (order number) | 103006642           |
| EAN (European Article Number) | 4030661442730       |
| 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                                                |
| Enclosure material                   | Plastic, glass-fibre reinforced thermoplastic, zinc die-cast, chromated |
| Material of the contacts, electrical | Silver                                                                  |
| Gross weight                         | 178 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             | Angle roller lever K250 |
| Mechanical life, minimum      | 10,000,000 Operations   |
| Actuating force, minimum      | 6 N                     |
| Positive break force, minimum | 40 N                    |
| Actuating speed, minimum      | 44 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        | Cable, 4-pole       |
| Length of cable    | 2 m                 |
| Wire cross-section | 0.5 mm <sup>2</sup> |
| Cable type         | LiYY                |

### Mechanical data - Dimensions

|                    |         |
|--------------------|---------|
| Length of sensor   | 16.6 mm |
| Width of sensor    | 31 mm   |
| Height of sensor   | 95.5 mm |
| Diameter of Castor | 22 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 <sub>i</sub>          | 300 V |
| Rated impulse withstand voltage U <sub>imp</sub> | 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                           | 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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