



## PS116-Z12-LR200-K230

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

## Data

### Ordering data

|                               |               |
|-------------------------------|---------------|
| EAN (European Article Number) | 4030661442402 |
| eCl@ss number, Version 9.0    | 27-27-26-01   |
| eCl@ss number, Version 11.0   | 27-27-26-01   |
| ETIM number, version 6.0      | EC000030      |
| ETIM number, version 7.0      | EC000030      |

### Approval - Standards

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

### General data

|                           |                          |
|---------------------------|--------------------------|
| Standards                 | IEC 60947-5-1            |
| Terminal (mechanical)     | right                    |
| 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                         | 210 g                                                                   |

## General data - Features

|                              |     |
|------------------------------|-----|
| Safety functions             | Yes |
| Number of auxiliary contacts | 1   |
| Number of safety contacts    | 2   |

## Safety appraisal

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

## Safety appraisal - Safety outputs

|                                   |                      |
|-----------------------------------|----------------------|
| B10d Normally-closed contact (NC) | 2,000,000 Operations |
|-----------------------------------|----------------------|

## Mechanical data

|                               |                         |
|-------------------------------|-------------------------|
| Actuating element             | Angle roller lever K230 |
| Mechanical life, minimum      | 10,000,000 Operations   |
| Actuating force, minimum      | 9.5 N                   |
| Positive break force, minimum | 40 N                    |
| Actuating speed, minimum      | 27 mm/min               |
| Actuating speed, maximum      | 1 m/s                   |
| Actuating torque, minimum     | 0.2 Nm                  |
| Positive break torque         | 0.6 Nm                  |

## Mechanical data - Connection technique

|                    |                     |
|--------------------|---------------------|
| Terminal Connector | Cable, 6-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   | 82 mm   |
| Diameter of Castor | 14 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                                 | 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 switch element    |
| Bounce duration, maximum | 3 ms                   |
| Switching frequency      | 5,000 /h               |
| Switchover time, maximum | 5.5 ms                 |

Schmersal, Inc., 15 Skyline Drive, Hawthorne, NY 10532

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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