



## PS116-Z11-L200-K250

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

### Data

#### Ordering data

|                               |                     |
|-------------------------------|---------------------|
|                               | PS116-Z11-L200-K250 |
|                               | 103006642           |
| EAN (European Article Number) | 4030661442730       |
| eCl@ss number, Version 9.0    | 27-27-26-01         |

#### Approval - Standards

cULus  
CCC  
EAC

#### General data

|                                      |                                                                         |
|--------------------------------------|-------------------------------------------------------------------------|
| Product name                         | PS116 angle roller lever K250                                           |
|                                      | 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                         | 178.6 g                                                                 |

#### General data - Features

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

|                           |   |
|---------------------------|---|
| Number of safety contacts | 1 |
|---------------------------|---|

### Safety appraisal

|              |             |
|--------------|-------------|
|              | 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             | 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                   |

### Mechanical data - Connection technique

|                    |                             |
|--------------------|-----------------------------|
| Terminal Connector | Cable, 4-pole               |
| Length of cable    | 2 m                         |
| Wire cross-section | 0.5 mm <sup>2</sup><br>LiYY |

### Mechanical data - Dimensions

|                    |         |
|--------------------|---------|
| Height of sensor   | 95.5 mm |
| Length of sensor   | 16.6 mm |
| Width of sensor    | 31 mm   |
| Diameter of Castor | 22 mm   |

### Ambient conditions

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

### Ambient conditions - Insulation value

|                                 |      |
|---------------------------------|------|
| Rated impulse withstand voltage | 4 kV |
|---------------------------------|------|

### Electrical data

|                      |     |
|----------------------|-----|
| Thermal test current | 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                           | 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                 |

## Ordering code

Product type description:

PS116-(1)-(2)-(3)-(4)

(1)

- Z11** Snap action 1 NO contact / 1 NC contact
- Z02** Snap action 2 NC contacts
- Z12** Snap action 1 NO contact / 2 NC contact
- Z11R** Snap action 1 NO contact / 1 NC contact with latching
- Z02R** Snap action 2 NC contacts with latching
- Z12R** Snap action 1 NO contact / 2 NC contact with latching
- T11** Slow action 1 NO contact / 1 NC contact
- T02** Slow action 2 NC contacts
- T20** Slow action 2 NO contact
- T12** Slow action 1 NO contact / 2 NC contact
- T21** Slow action 2 NO contact / 1 NC contact
- T03** Slow action 3 NC contacts
- T11UE** Slow action 1 NO contact / 1 NC contact with overlapping contacts
- T02H** Slow action 2 NC contacts with staggered contacts

(2)

- L200** Connecting cable bottom, cable length 2 m
- LR200** Connecting cable right, cable length 2 m
- ST** Connector plug M12 - plastic - bottom
- STR** Connector plug M12, right

(3)

- S200** plunger S200 Ø 6 mm
- R200** Roller plunger R200
- K200** Offset roller lever - plastic roller- width 5.3 mm - Ø 12 mm
- K210** Offset roller lever - plastic roller- width 5mm - Ø 14mm

**K230** Angle roller lever - plastic roller Ø 14 mm

**K240** Angle roller lever with plastic roller Ø 22 mm - right-bent

**K250** Angle roller lever with plastic roller Ø 22 mm - left-bent

**H200** Roller lever - plastic roller Ø 16 mm - lever length 24 mm

**N200** Roller lever 2 mm Toothing (24...26mm) - Plastic roller Ø 20 mm - Width 9.8 mm

**J200** Rod lever - plastic - 200mm - Ø 6mm

(4)

**0** Material Castor/Lever: Plastic

**1** Material Castor/Lever: Stainless steel

**2** Material Castor/Lever: Brass

**3** Material Castor/Lever: Aluminium

**4** Material Castor/Lever: Steel

## Pictures

### Photo/Product/Catalogue



ID: kps1kf30

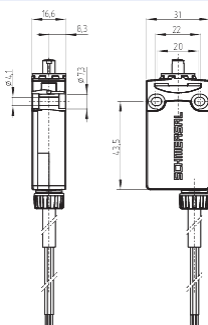
| 49,9 kB | .png | 74.083 x 165.806 mm - 210 x 470

Pixel - 72 dpi

| 728,5 kB | .jpg | 352.778 x 789.517 mm - 1000 x

2238 Pixel - 72 dpi

### Dimension/Product/Basic



ID: kps11g03

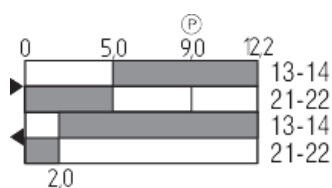
| 6,3 kB | .png | 74.083 x 113.242 mm - 210 x 321

Pixel - 72 dpi

| 199,2 kB | .jpg | 352.425 x 539.75 mm - 999 x 1530

Pixel - 72 dpi

### Diagramm/Product/Travel



ID: kps11s46

| 2,3 kB | .png | 74.083 x 41.275 mm - 210 x 117 Pixel

- 72 dpi

| 79,0 kB | .jpg | 352.778 x 196.497 mm - 1000 x 557

Pixel - 72 dpi

## Graphic/Product/Contact

(3) BN 13 — 14 PK (4)  
(1) YE 21 — 22 WH (2)

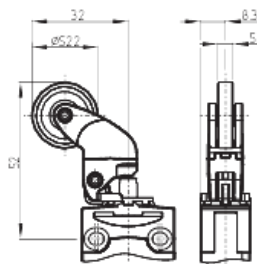
ID: kps16k02

| 1,3 MB | .cdr |

| 56,4 kB | .jpg | 352.778 x 64.206 mm - 1000 x 182

Pixel - 72 dpi

## Dimension/Product/Actuator



ID: kps11b08

| 5,8 kB | .png | 74.083 x 72.319 mm - 210 x 205 Pixel  
- 72 dpi

| 214,1 kB | .jpg | 352.778 x 365.831 mm - 1000 x  
1037 Pixel - 72 dpi

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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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