



## PS116-Z11-LR200-K230

- Symmetric enclosure
- Thermoplastic enclosure
- Pre-wired cable right, 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-LR200-K230 |
|                               | 103006571            |
| EAN (European Article Number) | 4030661442204        |
| eCl@ss number, Version 9.0    | 27-27-26-01          |

#### Approval - Standards

cULus  
CCC  
EAC

#### General data

|                                      |                                                                         |
|--------------------------------------|-------------------------------------------------------------------------|
| Product name                         | PS116 angle roller lever K230<br>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                         | 174.7 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 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

## Mechanical data - Connection technique

Terminal Connector

Cable, 4-pole

Length of cable

2 m

Wire cross-section

0.5 mm<sup>2</sup>

LiYY

## Mechanical data - Dimensions

Height of sensor

82 mm

Length of sensor

16.6 mm

Width of sensor

31 mm

Diameter of Castor

14 mm

## Ambient conditions

IP66

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



ID: kps16k02

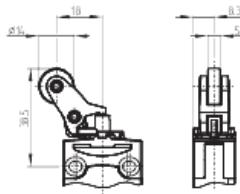
(3) BN 13 — 14 PK (4)  
(1) YE 21 — 22 WH (2)

| 1,3 MB | .cdr |

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

Pixel - 72 dpi

### Dimension/Product/Actuator



ID: kps11b06

| 150,0 kB | .jpg | 352.778 x 290.689 mm - 1000 x 824

Pixel - 72 dpi

| 4,1 kB | .png | 74.083 x 61.736 mm - 210 x 175 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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