



## PS116-Z12-LR200-R200

- Pre-wired cable right, 2
- Snap action 1 Normally open contact (NO) / 2 Opener (NC)
- Thermoplastic enclosure
- Symmetric enclosure
- Protection class IP66, IP67
- plastic roller Ø 9,5 mm

## Data

### Ordering data

Product type description	PS116-Z12-LR200-R200
Article number (order number)	103006589
EAN (European Article Number)	4030661442389
eCl@ss number, version 12.0	27-27-26-01
eCl@ss number, version 11.0	27-27-26-01
eCl@ss number, version 9.0	27-27-26-01
ETIM number, version 7.0	EC000030
ETIM number, version 6.0	EC000030

### Approvals - Standards

Certificates	cULus CCC EAC
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## General data

Standards	EN IEC 60947-5-1
Terminal (mechanical)	right
Housing construction form	Norm construction design
Actuator type to DIN EN 50047	c
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, zinc die-cast, chromated
Material of the contacts, electrical	Silver
Gross weight	150 g

## General data - Features

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

## 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
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## Mechanical data

Actuating element	Roller plunger R200
Mechanical life, minimum	10,000,000 Operations
Actuating force, minimum	10 N
Positive break force, minimum	40 N

Actuating speed, minimum	20 mm/min
Actuating speed, maximum	0.5 m/s

### Mechanical data - Connection technique

Termination	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	74.1 mm
Diameter of Castor	9.5 mm

### Ambient conditions

Degree of protection	IP67 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 $U_{imp}$	4 kV

### Electrical data

Thermal test current	5 A
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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 action
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)

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<b>Z11</b>	Snap action 1 NO contact / 1 NC contact
<b>Z02</b>	Snap action 2 NC contacts
<b>Z12</b>	Snap action 1 NO contact / 2 NC contact
<b>Z11R</b>	Snap action 1 NO contact / 1 NC contact with latching
<b>Z02R</b>	Snap action 2 NC contacts with latching
<b>Z12R</b>	Snap action 1 NO contact / 2 NC contact with latching
<b>T11</b>	Slow action 1 NO contact / 1 NC contact
<b>T02</b>	Slow action 2 NC contacts
<b>T20</b>	Slow action 2 NO contact
<b>T12</b>	Slow action 1 NO contact / 2 NC contact
<b>T21</b>	Slow action 2 NO contact / 1 NC contact
<b>T03</b>	Slow action 3 NC contacts
<b>T11UE</b>	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 m - 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

**Product picture (catalogue individual photo)**

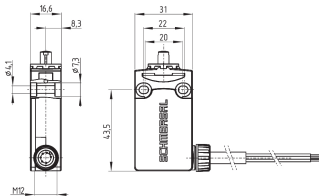


ID: kps1rf01

| 212.1 kB | .jpg | 352.778 x 235.303 mm - 1000 x 667 px - 72 dpi

| 14.1 kB | .png | 74.083 x 49.389 mm - 210 x 140 px - 72 dpi

## Dimensional drawing basic component



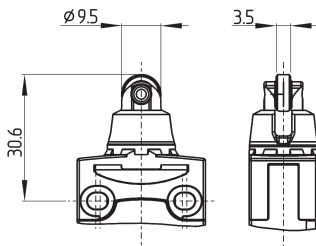
ID: kps11g04

| 246.1 kB | .ai | 200 x 200 mm - 566 x 566 px - 72 dpi

| 4.0 kB | .png | 74.083 x 44.803 mm - 210 x 127 px - 72 dpi

| 98.3 kB | .jpg | 352.778 x 214.136 mm - 1000 x 607 px - 72 dpi

## Dimensional drawing actuator



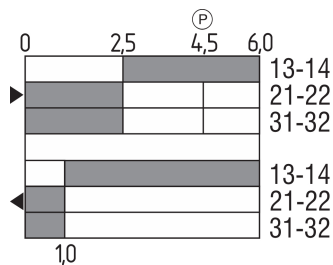
ID: kps11b02

| 352.8 kB | .ai | 126.86 x 84.573 mm - 359 x 239 px - 72 dpi

| 6.6 kB | .png | 74.083 x 49.389 mm - 210 x 140 px - 72 dpi

| 143.9 kB | .jpg | 352.778 x 272.344 mm - 1000 x 772 px - 72 dpi

## Switch travel diagram

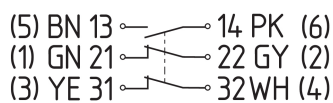


ID: kps11s03

| 2.7 kB | .png | 74.083 x 59.972 mm - 210 x 170 px - 72 dpi

| 105.2 kB | .jpg | 352.778 x 284.692 mm - 1000 x 807 px - 72 dpi

## Diagram



ID: kps16k03

| 85.8 kB | .jpg | 352.778 x 97.367 mm - 1000 x 276 px - 72 dpi

| 4.0 kB | .png | 74.083 x 20.461 mm - 210 x 58 px - 72 dpi

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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