



## PS226-Z12-R200

- Design to EN 50047
- cable entry 2 x M20 x 1,5
- thermoplastic enclosure with foldable latching cover
- Simple and quick to adjust the control elements by 45°.
- Quick connection technology as connection terminals rotated by 45°

### Data

#### Ordering data

Product type description	PS226-Z12-R200
Article number (order number)	103015053
EAN (European Article Number)	4030661501284

#### Certifications

Certificates	cULus CCC EAC
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#### General data

Product name	PS226 with roller plunger R200
Standards	IEC 60947-5-1
Housing construction form	Norm construction design
Actuator type to DIN EN 50047	C
Enclosure material	Plastic, glass-fibre-reinforced
Material of the contacts, electrical	Silver
Gross weight	88.2 g

#### General data - Features

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

## Safety appraisal

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

## Safety appraisal - Safety outputs

B10d 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
Positive break force, minimum	40 N
Actuating speed, minimum	10 mm/min
Actuating speed, maximum	0.5 m/s

## Mechanical data - Connection technique

Terminal Connector	Screw connection
Cable section, minimum	0.34 mm <sup>2</sup>
Cable section, maximum	1.5 mm <sup>2</sup>

## Mechanical data - Dimensions

Height of sensor	85.6 mm
Length of sensor	33 mm
Width of sensor	59 mm

## Ambient conditions

Protection class	IP66 IP67
Ambient temperature, minimum	-30 °C
Ambient temperature, maximum	+80 °C

## Ambient conditions - Insulation value

Rated impulse withstand voltage	4 kV
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## 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	3 A

Switching element	1 NO contact, 2 NC contacts
Switching principle	Snap switch element
Switching frequency	5,000 /h

## Ordering code

Product type description:

PS2(2)-(3)-(4)-(5)-(6)-(7)-(8)-(9)-(10)-(11)-  
(12)

(2)

- 5** Metal enclosure
- 216** Thermoplastic enclosure
- 226** Plastic housing with 2 cable entries

(3)

**without** L-hole (standard)

- L** elongated hole

(4)

- 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
- 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

(5)

**without** Contacts silver plated (Standard)

- A1** Gold contacts 0,3 µm
- A2** Gold contacts 1,0 µm
- A3** Gold contacts 3,0 µm

(6)

**without** without indication light

**G** integrated status display

(7)

**without** Cable entry M20

**M16** cable entry M16

**ST** Connector plug M12 - plastic - bottom

**STR** Connector plug M12, right

**STL** Connector plug M 12, left

(8)

**S200** plunger S200 Ø 6 mm

**S210** Plunger Ø 8,6 mm

**S211** Plunger Ø 10,3 mm

**S221** Plunger Ø 9,8 mm

**R200** Roller plunger R200

**R201** Roller plunger - stainless steel roller Ø 9,5mm

**R210** Roller plunger - plastic roller Ø 12mm

**K201** Roller plunger - stainless steel roller - width 5,3 mm - Ø 12mm

**K200** Offset roller lever - plastic roller- width 5.3 mm - Ø 12 mm

**K201** Roller plunger - stainless steel roller - width 5,3 mm - Ø 12mm

**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

**H202** Roller lever - brass roller Ø 16mm - lever length 24mm (Standard)

**H230** Roller lever - plastic roller Ø 16mm - lever length 28 mm

**H232** Roller lever - brass roller Ø 16mm - lever length 28 mm

**H236** Roller lever - rubber roller Ø 16mm - lever length 28 mm

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

**N201** Roller lever adjustable in 2 mm steps (24...66mm) - stainless steel roller Ø 20mm - width 9,8 mm

**N202** Roller lever - adjustable in 2 mm steps (24...66mm) - brass roller Ø 20mm - width 9,8 mm

**N210** Roller lever - adjustable in 2 mm steps (24...66mm) - plastic roller Ø 20mm - width 5 mm - long-angled - locking washer

**N280** Roller lever -adjustable in 2 mm steps (24...66mm) - plastic roller Ø 20mm - width 5 mm - long - locking washer

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

**J201** Rod lever - stainless steel - 200mm -Ø 6mm (Standard)

**J203** Rod lever - aluminium - 200mm -Ø 6mm

**F230** Spring rod - plastic

**F231** Spring rod - stainless steel

**A200** Special actuating bolt - plastic - valve control

(9)

**without** no intent rotation (Standard)

- U1** intent rotation 45°
- U2** intent rotation 90°
- U3** intent rotation 135°
- U4** intent rotation 180°
- U5** intent rotation 225°
- U6** intent rotation 275°
- U7** intent rotation 315°

(10)

**without** no lever rotation (Standard)

- X1** lever rotation 15°
- X2** lever rotation 30°
- X3** lever rotation 45°
- X4** lever rotation 60°
- X5** lever rotation 75°
- X6** lever rotation 90°
- X7** lever rotation 105°
- X8** lever rotation 120°
- X9** lever rotation 135°
- X10** lever rotation 150°
- X11** lever rotation 165°
- X12** lever rotation 180°
- X13** lever rotation 195°
- X14** lever rotation 210°
- X15** lever rotation 225°
- X16** lever rotation 240°
- X17** lever rotation 255°
- X18** lever rotation 270°
- X19** lever rotation 285°
- X20** lever rotation 300°
- X21** lever rotation 315°
- X22** lever rotation 330°
- X23** lever rotation 345°

(11)

**without** Roller outside (Standard)

- I** Roller inside

(12)

**without** -30...+80°C (Standard)

- T** -40...+80°C

## Documents

### Operating instructions (supplementary sheet/quick guide)

(552,5 kB, 10.05.2019, Revision A)

### UL Certificate

(211,5 kB, 01.08.2019)

### CCC certification

(3,6 MB, 10.05.2019, Revision 01)

### EAC certification

### SISTEMA-VDMA library

(134,9 kB, 19.06.2019)

## Pictures

### Product picture (catalogue individual photo)



ID: kps2rf03

| 647,1 kB | .jpg | 352.778 x 411.339 mm - 1000 x 1166 Pixel - 72 dpi

| 38,6 kB | .png | 73.731 x 86.078 mm - 209 x 244 Pixel - 72 dpi

| 66,8 kB | .jpg | 27.093 x 31.581 mm - 320 x 373 Pixel - 300 dpi

### Product picture (catalogue individual photo)



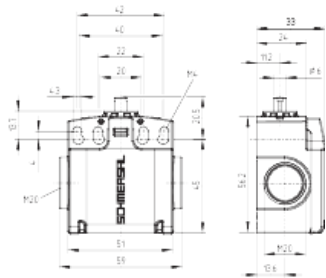
ID: kps1rf07

| 8,8 kB | .png | 74.083 x 41.628 mm - 210 x 118 Pixel - 72 dpi

| 14,4 kB | .jpg | 27.093 x 15.24 mm - 320 x 180 Pixel - 300 dpi

| 83,8 kB | .jpg | 352.778 x 198.614 mm - 1000 x 563 Pixel - 72 dpi

## Dimensional drawing basic component



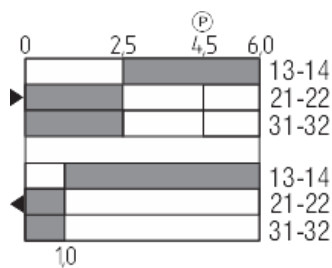
ID: kps2xg04

| 6,5 kB | .png | 74.083 x 63.853 mm - 210 x 181 Pixel  
- 72 dpi

| 38,9 kB | .jpg | 112.889 x 97.367 mm - 320 x 276  
Pixel - 72 dpi

| 167,8 kB | .jpg | 352.778 x 304.447 mm - 1000 x 863  
Pixel - 72 dpi

## Switch travel diagram

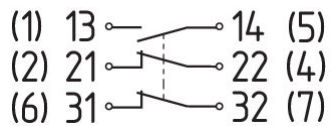


ID: kps11s03

| 28,0 kB | .jpg | 112.889 x 91.017 mm - 320 x 258  
Pixel - 72 dpi

| 2,7 kB | .png | 74.083 x 59.972 mm - 210 x 170 Pixel  
- 72 dpi

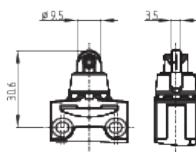
## Diagram



ID: kps2xk07

| 26,2 kB | .jpg | 112.889 x 49.389 mm - 320 x 140  
Pixel - 72 dpi

## Dimensional drawing actuator



ID: kps11b02

| 143,9 kB | .jpg | 352.778 x 272.344 mm - 1000 x 772  
Pixel - 72 dpi

| 6,6 kB | .png | 74.083 x 49.389 mm - 210 x 140 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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