



## PS215-T12-R200

- Metal enclosure
- Design to EN 50047
- plastic roller Ø 9,5 mm
- cable entry 1 x M20 x 1,5
- Simple and quick to adjust the control elements by 45°.
- Quick connection technology as connection terminals rotated by 45°

### Data

#### Ordering data

PS215-T12-R200

103014983

EAN (European Article Number)

4030661501178

#### Approval - Standards

cULus

CCC

EAC

#### General data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Product name                         | PS215 with roller plunger R200 |
|                                      | IEC 60947-5-1                  |
| Housing construction form            | Norm construction design       |
| Actuator type to DIN EN 50047        | C                              |
| Enclosure material                   | Metal, zinc die-cast           |
| Enclosure coating material           | painted                        |
| Material of the contacts, electrical | Silver                         |
| Gross weight                         | 206 g                          |

#### General data - Features

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

## 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

Roller plunger R200

Mechanical life, minimum

10,000,000 Operations

Positive break force, minimum

40 N

Actuating speed, minimum

60 mm/min

Actuating speed, maximum

0.5 m/s

## Mechanical data - Connection technique

Terminal Connector

Screw connection

0.34 mm<sup>2</sup>

1.5 mm<sup>2</sup>

## Mechanical data - Dimensions

Height of sensor

85.6 mm

Length of sensor

32.5 mm

Width of sensor

31 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

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 | Creep circuit element       |
| Switching frequency | 5,000 /h                    |

## Ordering code

Product type description:

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

(1)

**without** non-EX version

**EX** Types of protection Ex d and t, to Zone 1/21

**EXI** Types of protection Ex i and t, up to Zone 1/21

(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

**Z01R** Snap action 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

**T11K** Slow action 1 NO contact + 1 NC contact - short-stroke

**T10** Slow action 1 NO contact

**T02K** Slow action 2 NO contacts short-stroke

**T20H** Slow action 2 NO contacts staggered

(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

**STM** Connector plug M12, metal

(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

**K211** Offset roller lever - stainless steel roller - width 5mm - Ø 14mm

**K220** Offset roller lever - plastic roller- width 7.6 mm - Ø 14 mm

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

**K231** Roller plunger - stainless steel roller Ø 14mm (Standard)

**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

**N206** Roller lever - adjustable in 2 mm steps (24...66mm) - rubber roller Ø 50mm - width 16 mm

|             |                                                                                                                         |
|-------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>N210</b> | Roller lever - adjustable in 2 mm steps (24...66mm) - plastic roller Ø 20mm - width 5 mm - long-angled - locking washer |
| <b>N280</b> | Roller lever -adjustable in 2 mm steps (24...66mm) - plastic roller Ø 20mm - width 5 mm - long - locking washer         |
| <b>J200</b> | Rod lever - plastic - 200mm -Ø 6mm                                                                                      |
| <b>J201</b> | Rod lever - stainless steel - 200mm -Ø 6mm (Standard)                                                                   |
| <b>J203</b> | Rod lever - aluminium - 200mm -Ø 6mm                                                                                    |
| <b>F230</b> | Spring rod - stainless steel - 150.4 mm                                                                                 |
| <b>F231</b> | Spring rod - stainless steel - 70.2 mm                                                                                  |
| <b>A200</b> | Special actuating bolt - plastic - valve control                                                                        |

(9)

**without** no intent rotation (Standard)

|           |                      |
|-----------|----------------------|
| <b>U1</b> | intent rotation 45°  |
| <b>U2</b> | intent rotation 90°  |
| <b>U3</b> | intent rotation 135° |
| <b>U4</b> | intent rotation 180° |
| <b>U5</b> | intent rotation 225° |
| <b>U6</b> | intent rotation 275° |
| <b>U7</b> | intent rotation 315° |

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**without** no lever rotation (Standard)

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

**X23** lever rotation 345°

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**without** Roller outside (Standard)

**I** Roller inside

(12)

**without** -30...+80°C (Standard)

**T** -40...+80°C

(13)

(14)

**without** Zone 2 and 22

**3GD** Zone 2 and 22

**2D** Zone 21

**3D** Zone 22

## Pictures

### Photo/Product/Catalogue



ID: kps2rf01

| 1,2 MB | .jpg | 352.778 x 705.203 mm - 1000 x 1999

Pixel - 72 dpi

| 73,0 kB | .png | 74.083 x 147.814 mm - 210 x 419

Pixel - 72 dpi

### Photo/Product/Catalogue



ID: kps1rf07

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

Pixel - 72 dpi

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

- 72 dpi

### Dimension/Product/Basic

| 111,3 kB | .jpg | 352.778 x 323.85 mm - 1000 x 918 Pixel - 72 dpi

| 4,4 kB | .png | 74.083 x 68.086 mm - 210 x 193 Pixel - 72 dpi

### Diagramm/Product/Travel

| 2,0 kB | .png | 74.083 x 36.689 mm - 210 x 104 Pixel  
- 72 dpi

| 67,0 kB | .jpg | 352.778 x 173.919 mm - 1000 x 493  
Pixel - 72 dpi

### Graphic/Product/Contact

| 80,7 kB | .jpg | 352.778 x 148.167 mm - 1000 x 420  
Pixel - 72 dpi

### Dimension/Product/Actuator

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

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