


**PS215-Z02-S200**
**Data**
**Ordering data**

|                               |                |
|-------------------------------|----------------|
|                               | PS215-Z02-S200 |
|                               | 103014953      |
| EAN (European Article Number) | 4030661500928  |

**Approval - Standards**

cULus  
 CCC  
 EAC

**General data**

|                                      |                                          |
|--------------------------------------|------------------------------------------|
| Product name                         | PS215 with plunger S200<br>IEC 60947-5-1 |
| Housing construction form            | Norm construction design                 |
| Actuator type to DIN EN 50047        | B                                        |
| Enclosure material                   | Metal, zinc die-cast                     |
| Enclosure coating material           | painted                                  |
| Material of the contacts, electrical | Silver                                   |
| Gross weight                         | 199 g                                    |

**General data - Features**

|                           |     |
|---------------------------|-----|
| Safety functions          | Yes |
| 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             | plunger S200          |
| 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     |
|                    | 0.34 mm <sup>2</sup> |
|                    | 1.5 mm <sup>2</sup>  |

#### **Mechanical data - Dimensions**

|                  |         |
|------------------|---------|
| Height of sensor | 75.5 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                                 | 10 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                                    | 2 NC contact        |
| 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)

(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 Tothing (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

**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)

|             |                                                  |
|-------------|--------------------------------------------------|
| <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° |
| <b>X23</b> | lever rotation 345° |

(11)

**without** Roller outside (Standard)

|          |               |
|----------|---------------|
| <b>I</b> | 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: kps2sf01

| 68,0 kB | .png | 74.083 x 132.292 mm - 210 x 375

Pixel - 72 dpi

| 1,1 MB | .jpg | 352.778 x 630.767 mm - 1000 x 1788

Pixel - 72 dpi

### Photo/Product/Catalogue



ID: kps1sf07

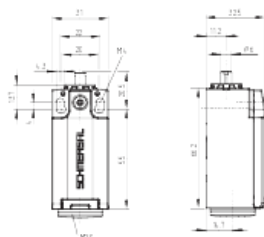
| 55,4 kB | .jpg | 352.778 x 198.614 mm - 1000 x 563

Pixel - 72 dpi

| 5,9 kB | .png | 74.083 x 41.628 mm - 210 x 118 Pixel

- 72 dpi

### Dimension/Product/Basic



ID: kps2xg01

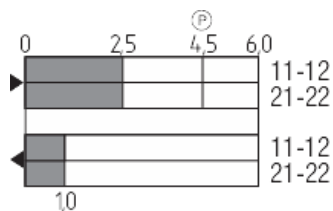
| 111,3 kB | .jpg | 352.778 x 323.85 mm - 1000 x 918

Pixel - 72 dpi

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

- 72 dpi

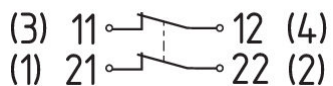
### Diagramm/Product/Travel



ID: kps11s02

| 71,4 kB | .jpg | 352.778 x 226.483 mm - 1000 x 642  
Pixel - 72 dpi  
| 2,1 kB | .png | 74.083 x 47.625 mm - 210 x 135 Pixel  
- 72 dpi

## Graphic/Product/Contact



ID: kps2xk08

| 56,1 kB | .jpg | 352.778 x 110.067 mm - 1000 x 312  
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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