

# PS215-Z12-J200

**Data**

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|---|---|
| **Ordering data** | |
| Product type description | PS215-Z12-J200 |
| Article number (order number) | 103014975 |
| EAN (European Article Number) | 4030661502229 |
| **Certifications** | |
| Certificates | cULus<br>CCC<br>EAC |
| **General data** | |
| Product name | PS215 with rod lever J200 |
| Standards | IEC 60947-5-1 |
| Housing construction form | Norm construction design |
| Enclosure material | Metal, zinc die-cast |
| Enclosure coating material | painted |
| Material of the contacts, electrical | Silver |
| Gross weight | 264 g |
| **General data - Features** | |
| Number of auxiliary contacts | 1 |
| Number of safety contacts | 2 |
| **Safety appraisal** | |
| Standards | ISO 13849-1 |
| Mission Time | 20 Year(s) |

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| **Safety appraisal - Safety outputs** | |
| B10d Normally-closed contact (NC) | 20,000,000 Operations |
| **Mechanical data** | |
| Actuating element | Rod lever J200 |
| Mechanical life, minimum | 10,000,000 Operations |
| Positive break force, minimum | 40 N |
| Actuating speed, minimum | 10 mm/min |
| Actuating speed, maximum | 1 m/s |
| **Mechanical data - Connection technique** | |
| Terminal Connector | Screw connection |
| Cable section, minimum | 0.34 mm² |
| Cable section, maximum | 1.5 mm² |
| **Mechanical data - Dimensions** | |
| Height of sensor | 180.5 mm |
| Length of sensor | 32.5 mm |
| Width of sensor | 31 mm |
| **Ambient conditions** | |
| Protection class | IP66<br>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 | Snap switch element |
| Switching frequency | 5,000 /h |

## Ordering code

Product type description:

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(12)

(2)

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

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|---|---|
| **without** | L-hole (standard) |
| **L** | elongated hole |

(4)

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|---|---|
| **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 |

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|---|---|
| **without** | Contacts silver plated (Standard) |
| **A1** | Gold contacts 0,3 µm |
| **A2** | Gold contacts 1,0 µm |
| **A3** | Gold contacts 3,0 µm |

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|---|---|
| **without** | without indication light |
| **G** | integrated status display |

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**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

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**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

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**without** no intent rotation (Standard)

**U1** intent rotation 45°

**U2** intent rotation 90°

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|---|---|
| **U3** | intent rotation 135° |
| **U4** | intent rotation 180° |
| **U5** | intent rotation 225° |
| **U6** | intent rotation 275° |
| **U7** | intent rotation 315° |

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|---|---|
| **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° |

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|---|---|
| **without** | Roller outside (Standard) |
| **I** | Roller inside |

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|---|---|
| **without** | -30...+80°C (Standard) |
| **T** | -40...+80°C |

**Documents**

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

(552,5 kB, 10.05.2019, Revision A)

**EC Declaration of conformity**

(88,5 kB, 10.05.2019, Revision A)

**CCC certification**

(3,6 MB, 10.05.2019, Revision 01)

**EAC certification**

## Pictures

**Product picture (catalogue individual photo)**




ID: kps2jf01

| 63,5 kB | .png | 74.083 x 188.031 mm - 210 x 533 Pixel - 72 dpi
| 106,1 kB | .jpg | 27.093 x 68.834 mm - 320 x 813 Pixel - 300 dpi
| 1,0 MB | .jpg | 352.778 x 896.056 mm - 1000 x 2540 Pixel - 72 dpi

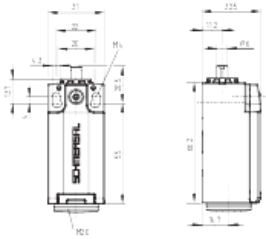
**Product picture (catalogue individual photo)**



ID: kps1jf07

| 50,5 kB | .jpg | 27.093 x 81.703 mm - 320 x 965 Pixel - 300 dpi
| 377,2 kB | .jpg | 352.778 x 1063.625 mm - 1000 x 3015 Pixel - 72 dpi
| 30,0 kB | .png | 74.083 x 223.308 mm - 210 x 633 Pixel - 72 dpi

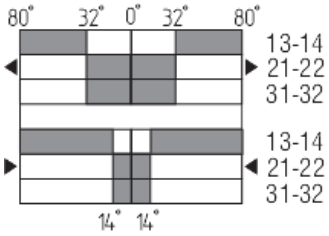
**Dimensional drawing basic component**



ID: kps2xg01

| 4,4 kB | .png | 74.083 x 68.086 mm - 210 x 193 Pixel - 72 dpi
| 111,3 kB | .jpg | 352.778 x 323.85 mm - 1000 x 918 Pixel - 72 dpi
| 26,4 kB | .jpg | 112.889 x 103.717 mm - 320 x 294 Pixel - 72 dpi

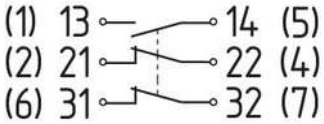
**Switch travel diagram**




ID: kps11s66

| 30,8 kB | .jpg | 112.889 x 83.256 mm - 320 x 236 Pixel - 72 dpi
| 2,7 kB | .png | 74.083 x 54.681 mm - 210 x 155 Pixel - 72 dpi

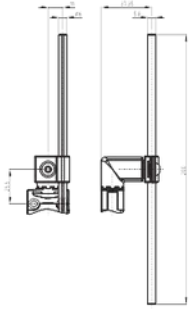
**Diagram**




ID: kps2xk07

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

**Dimensional drawing actuator**



ID: kps11b11

| 161,7 kB | .jpg | 352.425 x 589.139 mm - 999 x 1670 Pixel - 72 dpi
| 4,3 kB | .png | 74.083 x 111.478 mm - 210 x 316 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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