

## PS315-T12-R300

- **Metal enclosure**
- **Design to EN 50041**
- **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** | |
| Product type description | PS315-T12-R300 |
| Article number (order number) | 103015118 |
| EAN (European Article Number) | 4030661502533 |
| **Certifications** | |
| Certificates | cULus<br>CCC<br>EAC |
| **General data** | |
| Product name | PS315 with roller plunger S300 |
| Standards | 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 | 341 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 |
| **Mechanical data** | |
| Actuating element | Roller plunger S300 |
| Mechanical life, minimum | 10,000,000 Operations |
| Positive break force, minimum | 50 N |
| Actuating speed, minimum | 60 mm/min |
| Actuating speed, maximum | 0.5 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 | 117 mm |
| Length of sensor | 37 mm |
| Width of sensor | 41 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 | Creep circuit element |
| Switching frequency | 5,000 /h |

## Ordering code

Product type description:

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

(2)

| | |
|---|---|
| **315** | Metal enclosure |
| **316** | Thermoplastic enclosure |

(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 |
| **ST** | Connector plug M12 - plastic - bottom |
| **STM** | Connector plug M12, metal |

(8)

| | |
|---|---|
| **S200** | plunger S200 Ø 6 mm |
| **S300** | Plunger - plastic - tappet width Ø 9 mm |
| **R300** | Roller plunger - plastic roller - width 4.6 mm |
| **R302** | Roller plunger - brass roller - width 4.6 mm |
| **K360** | Angle roller lever with plastic roller Ø 20 mm - left-bent |
| **K370** | Angle roller lever with plastic roller Ø 20 mm - right-bent |
| **H300** | Roller lever - plastic roller Ø 25 mm |
| **H301** | Roller lever - stainless steel roller Ø 25 mm |
| **H302** | Roller lever - brass roller Ø 25 mm |
| **H310** | Roller lever - plastic roller Ø 20 mm |
| **H311** | Roller lever - stainless steel roller Ø 20 mm |
| **H312** | Roller lever - brass roller Ø 20m |
| **H326** | Roller lever - rubber roller Ø 20mm |
| **N300** | Roller lever - plastic roller Ø 25 mm |
| **N301** | Roller lever - stainless steel roller Ø 20 mm |
| **N306** | Roller lever - rubber roller Ø 20mm |
| **N360** | Roller lever - plastic roller Ø 20 mm - width 9.8 mm - long |
| **N370** | Roller lever - plastic roller Ø 20 mm - width 9.8 mm - very long |
| **J300** | Rod lever - plastic - 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 and Declaration of conformity**

(444,8 kB, 19.11.2019)

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

(408,0 kB, 10.05.2019, Revision A)

**UL Certificate**

(211,5 kB, 01.08.2019)

**CCC certification**

(6,9 MB, 21.08.2019)

**EAC certification**

**SISTEMA-VDMA library**

(134,9 kB, 19.06.2019)

**Pictures**

**Product picture (catalogue individual photo)**




ID: kps3rf01

| 965,0 kB | .jpg | 352.778 x 728.486 mm - 1000 x 2065 Pixel - 72 dpi
| 63,4 kB | .png | 74.083 x 152.753 mm - 210 x 433 Pixel - 72 dpi
| 106,0 kB | .jpg | 27.093 x 55.88 mm - 320 x 660 Pixel - 300 dpi

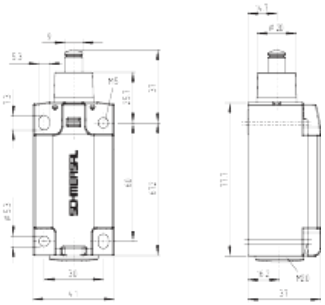
**Product picture (catalogue individual photo)**



ID: kps3rf04

| 993,6 kB | .jpg | 352.778 x 762 mm - 1000 x 2160 Pixel - 72 dpi
| 70,0 kB | .png | 74.083 x 159.808 mm - 210 x 453 Pixel - 72 dpi
| 91,3 kB | .jpg | 27.093 x 58.505 mm - 320 x 691 Pixel - 300 dpi

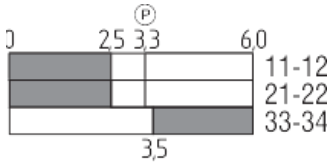
## Dimensional drawing basic component



ID: kps3xg01

| 5,0 kB | .png | 74.083 x 70.203 mm - 210 x 199 Pixel - 72 dpi
| 140,3 kB | .jpg | 352.778 x 333.728 mm - 1000 x 946 Pixel - 72 dpi
| 35,0 kB | .jpg | 112.889 x 106.892 mm - 320 x 303 Pixel - 72 dpi

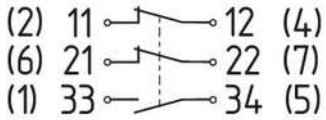
## Switch travel diagram




ID: kps11s07

| 2,0 kB | .png | 74.083 x 36.689 mm - 210 x 104 Pixel - 72 dpi
| 18,3 kB | .jpg | 112.889 x 55.739 mm - 320 x 158 Pixel - 72 dpi

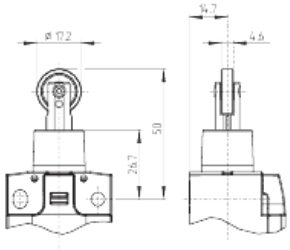
## Diagram




ID: kps2xk02

| 24,0 kB | .jpg | 112.889 x 47.272 mm - 320 x 134 Pixel - 72 dpi

## Dimensional drawing actuator



ID: kps3xb02

| 4,8 kB | .png | 74.083 x 61.736 mm - 210 x 175 Pixel - 72 dpi
| 150,6 kB | .jpg | 352.778 x 313.619 mm - 1000 x 889 Pixel - 72 dpi