
## PS315-T03-S300

- **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** | |
| | PS315-T03-S300 |
| | 103015115 |
| EAN (European Article Number) | 4030661502380 |
| **Approval - Standards** | |
| | cULus<br>CCC<br>EAC |
| **General data** | |
| Product name | PS315 with plunger S300 |
| | 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 | 343 g |
| **General data - Features** | |
| Safety functions | Yes |
| Number of safety contacts | 3 |

| | |
|---|---|
| **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 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 |
| | 0.34 mm² |
| | 1.5 mm² |
| **Mechanical data - Dimensions** | |
| Height of sensor | 104 mm |
| Length of sensor | 37 mm |
| Width of sensor | 41 mm |
| **Ambient conditions** | |
| | 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 | 3 NC contact |
| 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)

(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)

**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

**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

**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

**S310** Plunger - plastic - tappet width Ø 9 mm - with bellows

**R300** Roller plunger - plastic roller - width 4.6 mm

**R302** Roller plunger - brass roller - width 4.6 mm

**R310** Roller plunger - plastic 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 50mm

**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 - stainless steel - 150.4 mm

**F231** Spring rod - stainless steel - 70.2 mm

**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

(13)

(14)

**without** Zone 2 and 22

**3GD** Zone 2 and 22

**2D** Zone 21

**3D** Zone 22

**Pictures**

**Photo/Product/Catalogue**


ID: kps3sf01

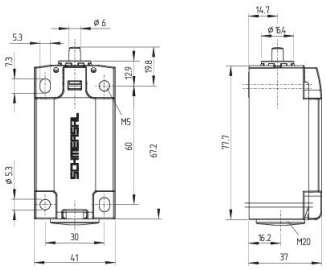
| 51,5 kB | .png | 74.083 x 124.178 mm - 210 x 352 Pixel - 72 dpi
| 817,2 kB | .jpg | 352.778 x 592.314 mm - 1000 x 1679 Pixel - 72 dpi

**Photo/Product/Catalogue**

ID: kps3sf03

| 42,0 kB | .png | 74.083 x 104.069 mm - 210 x 295 Pixel - 72 dpi
| 604,1 kB | .jpg | 352.778 x 496.358 mm - 1000 x 1407 Pixel - 72 dpi

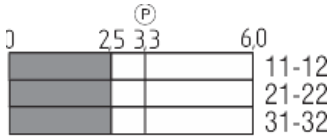
**Dimension/Product/Basic**




ID: kps3xg05

| 123,9 kB | .jpg | 352.778 x 289.278 mm - 1000 x 820 Pixel - 72 dpi

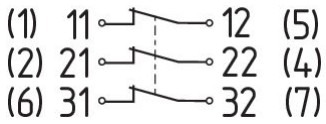
**Diagramm/Product/Travel**




ID: kps11s09

| 1,9 kB | .png | 74.083 x 30.692 mm - 210 x 87 Pixel - 72 dpi
| 59,5 kB | .jpg | 352.778 x 145.344 mm - 1000 x 412 Pixel - 72 dpi

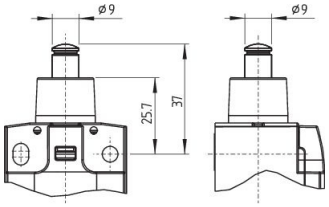
**Graphic/Product/Contact**




ID: kps2xk05

| 83,1 kB | .jpg | 352.778 x 150.283 mm - 1000 x 426 Pixel - 72 dpi

**Dimension/Product/Actuator**




ID: kps3xb08

| 101,2 kB | .jpg | 352.778 x 225.425 mm - 1000 x 639 Pixel - 72 dpi