



## PS315-T02-S200

- 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-T02-S200 |
|                               | 103015414      |
| EAN (European Article Number) | 4030661503042  |

#### Approval - Standards

cULus  
CCC  
EAC

#### General data

|                                      |                                          |
|--------------------------------------|------------------------------------------|
| Product name                         | PS315 with plunger S200<br>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                         | 337.7 g                                  |

#### General data - Features

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

## Mechanical data - Dimensions

|                  |       |
|------------------|-------|
| Height of sensor | 87 mm |
| Length of sensor | 37 mm |
| Width of sensor  | 41 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 | 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 20mm

**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: kps3sf05

| 864,6 kB | .jpg | 352.778 x 564.092 mm - 1000 x 1599 Pixel - 72 dpi

| 54,8 kB | .png | 73.731 x 118.181 mm - 209 x 335 Pixel - 72 dpi

Photo/Product/Catalogue

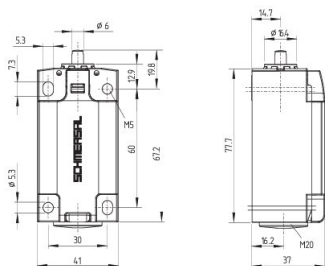


ID: kps1sf07

| 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

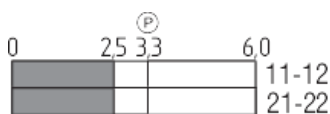
Dimension/Product/Basic



ID: kps3xg05

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

Diagramm/Product/Travel

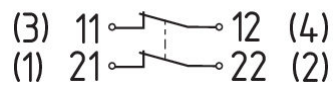


ID: kps11s05

| 45,6 kB | .jpg | 352.778 x 117.475 mm - 1000 x 333 Pixel - 72 dpi

| 1,6 kB | .png | 74.083 x 24.694 mm - 210 x 70 Pixel - 72 dpi

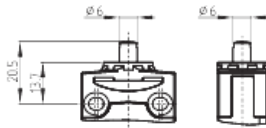
## Graphic/Product/Contact



ID: kps2xk03

| 55,6 kB | .jpg | 352.778 x 106.892 mm - 1000 x 303  
Pixel - 72 dpi

## Dimension/Product/Actuator



ID: kps11b01

| 91,1 kB | .jpg | 352.778 x 173.567 mm - 1000 x 492  
Pixel - 72 dpi  
| 3,2 kB | .png | 74.083 x 34.572 mm - 210 x 98 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.

Generated on 442021-01-31T02:49:44+01:000201Europe/BerlinSun, 31 Jan 2021 02:49:44

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