

## PS315-Z11-J300

- Metal enclosure
- Design to EN 50041
- cable entry 1 x M20 x 1,5
- only for positioning tasks
- Lever angle adjustable in 15° steps
- Simple and quick to adjust the control elements by 45°.
- Quick connection technology as connection terminals rotated by 45°

### Data

#### Ordering data

|                               |                |
|-------------------------------|----------------|
|                               | PS315-Z11-J300 |
|                               | 103015110      |
| EAN (European Article Number) | 4030661502946  |

#### Approval - Standards

cULus  
CCC  
EAC

#### General data

|                                      |                           |
|--------------------------------------|---------------------------|
| Product name                         | PS315 with rod lever J300 |
|                                      | 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                         | 381 g                     |

#### General data - Features

|                              |   |
|------------------------------|---|
| Number of auxiliary contacts | 1 |
| 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

Rod lever J300

Mechanical life, minimum

10,000,000 Operations

Positive break force, minimum

50 N

Actuating speed, minimum

10 mm/min

Actuating speed, maximum

1 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

192 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   | 1 NO contact, 1 NC contacts |
| Switching principle | Snap switch 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)

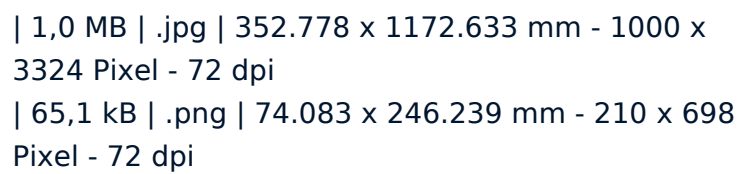
**without** -30...+80°C (Standard)

- T** -40...+80°C

(13)

|                |               |
|----------------|---------------|
| <b>without</b> | Zone 2 and 22 |
| <b>3GD</b>     | Zone 2 and 22 |
| <b>2D</b>      | Zone 21       |
| <b>3D</b>      | Zone 22       |

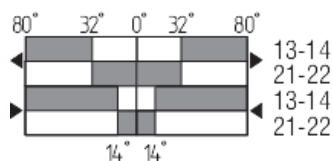
## Photo/Product/Catalogue



| 40,9 kB | .png | 74.083 x 206.022 mm - 210 x 584 Pixel - 72 dpi  
| 606,7 kB | .jpg | 352.778 x 981.781 mm - 1000 x 2783 Pixel - 72 dpi

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

## Diagramm/Product/Travel



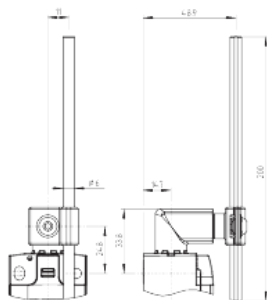
ID: kps31s25

| 81,4 kB | .jpg | 352.778 x 177.8 mm - 1000 x 504

Pixel - 72 dpi

| 2,4 kB | .png | 74.083 x 37.394 mm - 210 x 106 Pixel  
- 72 dpi

## Dimension/Product/Actuator



ID: kps3xb07

| 148,3 kB | .jpg | 352.778 x 409.928 mm - 1000 x

1162 Pixel - 72 dpi

| 4,3 kB | .png | 74.083 x 81.844 mm - 210 x 232 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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