



PS315-T12-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

| | |
|-------------------------------|----------------|
| Product type description | PS315-T12-S300 |
| Article number (order number) | 103015114 |
| EAN (European Article Number) | 4030661502373 |

Certifications

| | |
|--------------|---------------------|
| Certificates | cULus CCC EAC |
|--------------|---------------------|

General data

| | |
|--------------------------------------|--------------------------|
| Product name | PS315 with plunger S300 |
| Standards | 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

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|------------------------------|-----|
| 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 | 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 mm ² |
| Cable section, maximum | 1.5 mm ² |

Mechanical data - Dimensions

| | |
|------------------|--------|
| Height of sensor | 104 mm |
| Length of sensor | 37 mm |
| Width of sensor | 41 mm |

Ambient conditions

| | |
|------------------------------|--------------|
| Protection class | 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 | 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 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 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: kps3sf03

| 604,1 kB | .jpg | 352.778 x 496.358 mm - 1000 x 1407 Pixel - 72 dpi

| 56,5 kB | .jpg | 27.093 x 38.1 mm - 320 x 450 Pixel - 300 dpi

| 42,0 kB | .png | 74.083 x 104.069 mm - 210 x 295 Pixel - 72 dpi

Product picture (catalogue individual photo)



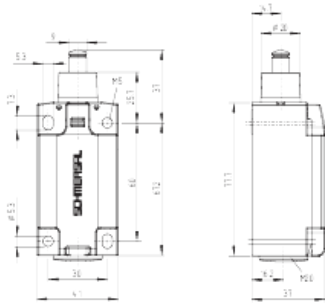
ID: kps3sf01

| 51,5 kB | .png | 74.083 x 124.178 mm - 210 x 352 Pixel - 72 dpi

| 88,4 kB | .jpg | 27.093 x 45.466 mm - 320 x 537 Pixel - 300 dpi

| 817,2 kB | .jpg | 352.778 x 592.314 mm - 1000 x 1679 Pixel - 72 dpi

Dimensional drawing basic component



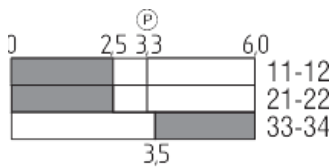
ID: kps3xg01

| 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

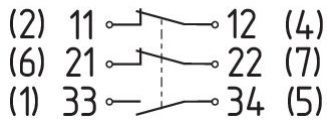


ID: kps11s07

| 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

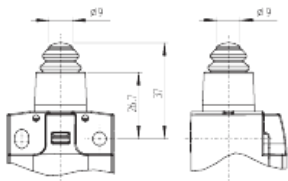
Diagram



ID: kps2xk02

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

Dimensional drawing actuator



ID: kps3xb01

| 3,8 kB | .png | 74.083 x 45.156 mm - 210 x 128 Pixel
- 72 dpi

| 120,3 kB | .jpg | 352.778 x 225.425 mm - 1000 x 639
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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