

PS315-T11-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-T11-S300
	103015112
EAN (European Article Number)	4030661502335
Approval - Standards	
	cULus CCC 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	338 g
General data - Features	
Safety functions	Yes
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	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 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	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

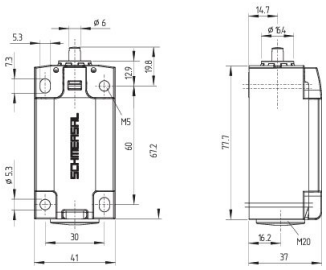
Photo/Product/Catalogue



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

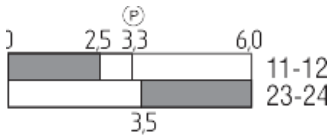
Dimension/Product/Basic



ID: kps3xg05

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

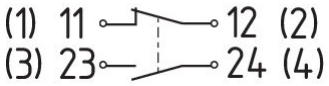
Diagramm/Product/Travel



ID: kps31s02

| 51,4 kB | .jpg | 352.778 x 142.522 mm - 1000 x 404 Pixel - 72 dpi
| 1,7 kB | .png | 74.083 x 29.986 mm - 210 x 85 Pixel - 72 dpi

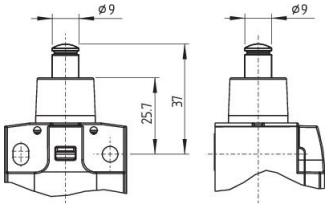
Graphic/Product/Contact



ID: kps2xk09

| 57,7 kB | .jpg | 352.778 x 110.067 mm - 1000 x 312 Pixel - 72 dpi

Dimension/Product/Actuator



ID: kps3xb08

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

K.A. Schmersal GmbH & Co. KG, Möddinghofe 3, D-42279 Wuppertal
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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