

PS316-T12-J300



- Design to EN 50041
- cable entry 1 x M20 x 1,5
- length adjustable in 2 mm steps
- Lever angle adjustable in 15° steps
- thermoplastic enclosure with foldable latching cover
- Simple and quick to adjust the control elements by 45°.
- Quick connection technology as connection terminals rotated by 45°

Data

Ordering data

	PS316-T12-J300
	103015164
EAN (European Article Number)	4030661502618

Approval - Standards

cULus
CCC
EAC

General data

Product name	PS316 with rod lever J300
	IEC 60947-5-1
Housing construction form	Norm construction design
Enclosure material	Plastic, glass-fibre-reinforced
Material of the contacts, electrical	Silver
Gross weight	158 g

General data - Features

Number of auxiliary contacts	1
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Number of safety contacts	2
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Safety appraisal

Mission Time	ISO 13849-1 20 Year(s)
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Safety appraisal - Safety outputs

B10d Normally-closed contact (NC)	20,000,000 Operations
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Mechanical data

Actuating element	Rod lever J300
Mechanical life, minimum	10,000,000 Operations
Positive break force, minimum	50 N
Actuating speed, minimum	60 mm/min
Actuating speed, maximum	1 m/s

Mechanical data - Connection technique

Terminal Connector	Screw connection 0.34 mm ² 1.5 mm ²
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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
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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)

(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

Pictures

Photo/Product/Catalogue



ID: kps3jf02

| 55,2 kB | .png | 74.083 x 227.189 mm - 210 x 644
Pixel - 72 dpi

| 932,1 kB | .jpg | 352.778 x 1081.969 mm - 1000 x 3067
Pixel - 72 dpi

Photo/Product/Catalogue

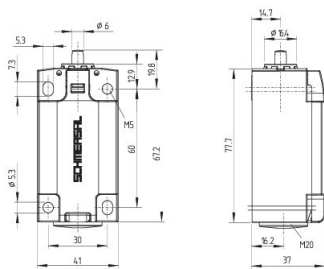


ID: kps3jf03

| 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

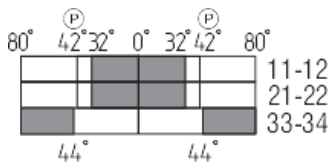
Dimension/Product/Basic



ID: kps3xg05

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

Diagramm/Product/Travel

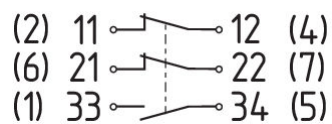


ID: kps11s61

| 84,8 kB | .jpg | 352.778 x 173.919 mm - 1000 x 493
Pixel - 72 dpi

| 2,3 kB | .png | 74.083 x 36.689 mm - 210 x 104
Pixel - 72 dpi

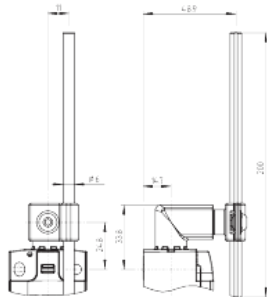
Graphic/Product/Contact



ID: kps2xk02

| 80,7 kB | .jpg | 352.778 x 148.167 mm - 1000 x 420
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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