

PS316-Z12-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

Product type description	PS316-Z12-J300
Article number (order number)	103015144
EAN (European Article Number)	4030661502625

Certifications

Certificates	cULus CCC EAC
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General data

Product name	PS316 with rod lever J300
Standards	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

Standards	ISO 13849-1
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Mission Time	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
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Mechanical life, minimum	10,000,000 Operations
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Positive break force, minimum	50 N
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Actuating speed, minimum	10 mm/min
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Actuating speed, maximum	1 m/s
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Mechanical data - Connection technique

Terminal Connector	Screw connection
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Cable section, minimum	0.34 mm ²
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Cable section, maximum	1.5 mm ²
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Mechanical data - Dimensions

Height of sensor	192 mm
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Length of sensor	37 mm
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Width of sensor	41 mm
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Ambient conditions

Protection class	IP66 IP67
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Ambient temperature, minimum	-30 °C
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Ambient temperature, maximum	+80 °C
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Ambient conditions - Insulation value

Rated impulse withstand voltage	4 kV
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Electrical data

Thermal test current	5 A
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Required rated short-circuit current to EN 60947-5-1	400 A
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Utilisation category AC-15	240 VAC
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Utilisation category AC-15	3 A
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Utilisation category DC-13	24 VDC
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Utilisation category DC-13	3 A
Switching element	1 NO contact, 2 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)

(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: kps3jf03

| 40,9 kB | .png | 74.083 x 206.022 mm - 210 x 584
Pixel - 72 dpi

| 61,3 kB | .jpg | 27.093 x 75.353 mm - 320 x 890 Pixel
- 300 dpi

| 606,7 kB | .jpg | 352.778 x 981.781 mm - 1000 x
2783 Pixel - 72 dpi

Product picture (catalogue individual photo)



ID: kps3jf02

| 98,9 kB | .jpg | 27.093 x 83.058 mm - 320 x 981 Pixel
- 300 dpi

| 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

Dimensional drawing basic component

