

PS216-Z12-N200



- Design to EN 50047
- only for positioning tasks
- 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

PS216-Z12-N200

103015019

EAN (European Article Number)

4030661502144

Approval - Standards

cULus

CCC

EAC

General data

Product name

PS216 with roller lever N200

IEC 60947-5-1

Housing construction form

Norm construction design

Enclosure material

Plastic, glass-fibre-reinforced

Material of the contacts, electrical

Silver

Gross weight

137 g

General data - Features

Safety functions	Yes
Number of auxiliary contacts	1
Number of safety contacts	2

Safety appraisal

	ISO 13849-1
Mission Time	20 Year(s)

Safety appraisal - Safety outputs

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

Actuating element	Roller lever N200
Mechanical life, minimum	10,000,000 Operations
Positive break force, minimum	40 N
Actuating speed, minimum	10 mm/min
Actuating speed, maximum	1 m/s

Mechanical data - Connection technique

Terminal Connector	Screw connection
	0.34 mm ²
	1.5 mm ²

Mechanical data - Dimensions

Height of sensor	150.5 mm
Length of sensor	32.5 mm
Width of sensor	31 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
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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	Snap switch element
Switching frequency	5,000 /h

Ordering code

Product type description:

PS2(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)

5 Metal enclosure

216 Thermoplastic enclosure

226 Plastic housing with 2 cable entries

(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

M16 cable entry M16

ST Connector plug M12 - plastic - bottom

STR Connector plug M12, right

STL Connector plug M 12, left

STM Connector plug M12, metal

(8)

S200 plunger S200 Ø 6 mm

S210 Plunger Ø 8,6 mm

S211 Plunger Ø 10,3 mm

S221 Plunger Ø 9,8 mm

R200 Roller plunger R200

R201 Roller plunger - stainless steel roller Ø 9,5mm

R210 Roller plunger - plastic roller Ø 12mm

K201 Roller plunger - stainless steel roller - width 5,3 mm - Ø 12mm

K200 Offset roller lever - plastic roller- width 5.3 mm - Ø 12 mm

K201 Roller plunger - stainless steel roller - width 5,3 mm - Ø 12mm

K210 Offset roller lever - plastic roller- width 5mm - Ø 14mm

K211 Offset roller lever - stainless steel roller - width 5mm - Ø 14mm

K220 Offset roller lever - plastic roller- width 7.6 mm - Ø 14 mm

K230 Angle roller lever - plastic roller Ø 14 mm

K231 Roller plunger - stainless steel roller Ø 14mm (Standard)

K240 Angle roller lever with plastic roller Ø 22 mm - right-bent

K250 Angle roller lever with plastic roller Ø 22 mm - left-bent

H200 Roller lever - plastic roller Ø 16 m - lever length 24 mm

H202 Roller lever - brass roller Ø 16mm - lever length 24mm (Standard)

H230 Roller lever - plastic roller Ø 16mm - lever length 28 mm

H232 Roller lever - brass roller Ø 16mm - lever length 28 mm

H236 Roller lever - rubber roller Ø 16mm - lever length 28 mm

N200	Roller lever 2 mm Toothing (24...26mm) - Plastic roller Ø 20 mm - Width 9.8 mm
N201	Roller lever adjustable in 2 mm steps (24...66mm) - stainless steel roller Ø 20mm - width 9,8 mm
N202	Roller lever - adjustable in 2 mm steps (24...66mm) - brass roller Ø 20mm - width 9,8 mm
N206	Roller lever - adjustable in 2 mm steps (24...66mm) - rubber roller Ø 50mm - width 16 mm
N210	Roller lever - adjustable in 2 mm steps (24...66mm) - plastic roller Ø 20mm - width 5 mm - long-angled - locking washer
N280	Roller lever -adjustable in 2 mm steps (24...66mm) - plastic roller Ø 20mm - width 5 mm - long - locking washer
J200	Rod lever - plastic - 200mm -Ø 6mm
J201	Rod lever - stainless steel - 200mm -Ø 6mm (Standard)
J203	Rod lever - aluminium - 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: kps2nf02

| 1,2 MB | .jpg | 352.778 x 1026.936 mm - 1000 x 2911 Pixel - 72 dpi

| 89,2 kB | .png | 74.083 x 215.547 mm - 210 x 611 Pixel - 72 dpi

Photo/Product/Catalogue

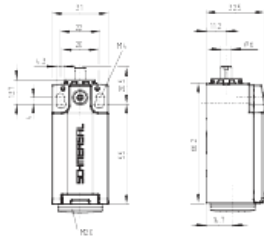


ID: kps1nf07

| 337,7 kB | .jpg | 352.778 x 511.528 mm - 1000 x 1450 Pixel - 72 dpi

| 32,9 kB | .png | 74.083 x 107.244 mm - 210 x 304 Pixel - 72 dpi

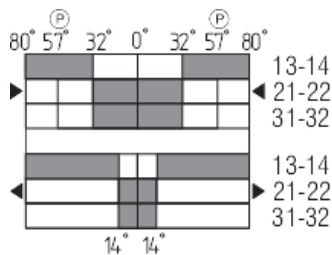
Dimension/Product/Basic



ID: kps2xg01

| 111,3 kB | .jpg | 352.778 x 323.85 mm - 1000 x 918
Pixel - 72 dpi
| 4,4 kB | .png | 74.083 x 68.086 mm - 210 x 193 Pixel
- 72 dpi

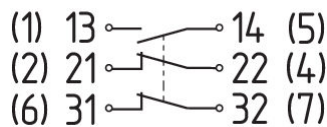
Diagramm/Product/Travel



ID: kps11s57

| 126,1 kB | .jpg | 352.778 x 275.519 mm - 1000 x 781
Pixel - 72 dpi
| 3,2 kB | .png | 74.083 x 57.856 mm - 210 x 164 Pixel
- 72 dpi

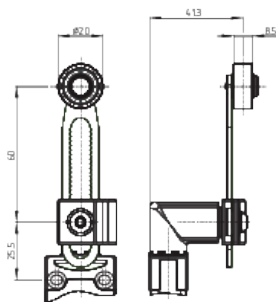
Graphic/Product/Contact



ID: kps2xk07

| 85,7 kB | .jpg | 352.778 x 154.517 mm - 1000 x 438
Pixel - 72 dpi

Dimension/Product/Actuator



ID: kps11b10

| 13,7 kB | .png | 74.083 x 72.672 mm - 210 x 206
Pixel - 72 dpi
| 195,0 kB | .jpg | 352.778 x 383.469 mm - 1000 x
1087 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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