



PS215-Z02-R200

- Metal enclosure
- Design to EN 50047
- plastic roller Ø 9,5 mm
- 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

PS215-Z02-R200

103014956

EAN (European Article Number)

4030661501147

Approval - Standards

cULus

CCC

EAC

General data

Product name	PS215 with roller plunger R200
	IEC 60947-5-1
Housing construction form	Norm construction design
Actuator type to DIN EN 50047	C
Enclosure material	Metal, zinc die-cast
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Gross weight	204 g

General data - Features

Safety functions	Yes
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

Mechanical data

Actuating element

Roller plunger R200

Mechanical life, minimum

10,000,000 Operations

Positive break force, minimum

40 N

Actuating speed, minimum

10 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

85.6 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

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	2 NC contact
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: kps2rf01

| 1,2 MB | .jpg | 352.778 x 705.203 mm - 1000 x 1999

Pixel - 72 dpi

| 73,0 kB | .png | 74.083 x 147.814 mm - 210 x 419

Pixel - 72 dpi

Photo/Product/Catalogue



ID: kps1rf07

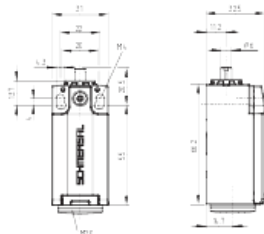
| 83,8 kB | .jpg | 352.778 x 198.614 mm - 1000 x 563

Pixel - 72 dpi

| 8,8 kB | .png | 74.083 x 41.628 mm - 210 x 118 Pixel

- 72 dpi

Dimension/Product/Basic

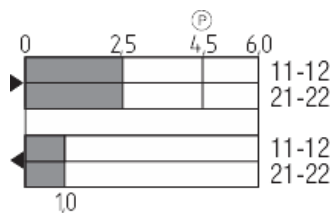


ID: kps2xg01

| 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

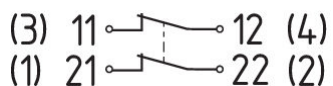


ID: kps11s02

| 71,4 kB | .jpg | 352.778 x 226.483 mm - 1000 x 642
Pixel - 72 dpi

| 2,1 kB | .png | 74.083 x 47.625 mm - 210 x 135 Pixel
- 72 dpi

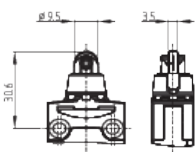
Graphic/Product/Contact



ID: kps2xk08

| 56,1 kB | .jpg | 352.778 x 110.067 mm - 1000 x 312
Pixel - 72 dpi

Dimension/Product/Actuator



ID: kps11b02

| 6,6 kB | .png | 74.083 x 49.389 mm - 210 x 140 Pixel
- 72 dpi

| 143,9 kB | .jpg | 352.778 x 272.344 mm - 1000 x 772
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.

Generated on 222021-01-31T02:19:22+01:000201Europe/BerlinSun, 31 Jan 2021 02:19:22

+010022amSunday.31am31Europe/BerlinCET1901Europe/BerlinJanuary2021Sun, 31 Jan 2021 02:19:22

+010001am31