



PS116-Z11-STR-R200

- Symmetric enclosure
- Thermoplastic enclosure
- plastic roller Ø 9,5 mm
- connector plug M12, right
- Protection class IP66, IP67
- Snap action 1 Normally open contact (NO) / 1 Opener (NC)

Data

Ordering data

	PS116-Z11-STR-R200
	103006599
EAN (European Article Number)	4030661442488
eCl@ss number, Version 9.0	27-27-26-01

Approval - Standards

cULus
CCC
EAC

General data

Product name	PS116 roller plunger R200
	IEC 60947-5-1
Terminal (mechanical)	right
Housing construction form	Norm construction design
Actuator type to DIN EN 50047	C
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, zinc die-cast, chromated
Material of the contacts, electrical	Silver
Gross weight	60 g

General data - Features

Safety functions	Yes
Number of auxiliary contacts	1

Number of safety contacts	1
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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 plunger R200
Mechanical life, minimum	10,000,000 Operations
Actuating force, minimum	10 N
Positive break force, minimum	40 N
Actuating speed, minimum	20 mm/min
Actuating speed, maximum	1 m/s

Mechanical data - Connection technique

Terminal Connector	Connector M12, 4-pole
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Mechanical data - Dimensions

Height of sensor	74.1 mm
Length of sensor	16.6 mm
Width of sensor	31 mm
Diameter of Castor	9.5 mm

Ambient conditions

	IP66
	IP67
Ambient temperature, minimum	-30 °C
Ambient temperature, maximum	+80 °C

Ambient conditions - Insulation value

Rated impulse withstand voltage	2.5 kV
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Electrical data

Thermal test current	2.5 A
Required rated short-circuit current to EN 60947-5-1	1,000 A
Utilisation category AC-15	240 VAC
Utilisation category AC-15	1.5 A

Utilisation category DC-13	24 VDC
Utilisation category DC-13	1.5 A
Switching element	NO contact, NC contact
Switching principle	Snap switch element
Bounce duration, maximum	3 ms
Switching frequency	5,000 /h
Switchover time, maximum	5.5 ms

Ordering code

Product type description:

PS116-(1)-(2)-(3)-(4)

(1)

- 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
- Z12R** Snap action 1 NO contact / 2 NC contact 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

(2)

- L200** Connecting cable bottom, cable length 2 m
- LR200** Connecting cable right, cable length 2 m
- ST** Connector plug M12 - plastic - bottom
- STR** Connector plug M12, right

(3)

- S200** plunger S200 Ø 6 mm
- R200** Roller plunger R200
- K200** Offset roller lever - plastic roller- width 5.3 mm - Ø 12 mm
- K210** Offset roller lever - plastic roller- width 5mm - Ø 14mm
- K230** Angle roller lever - plastic roller Ø 14 mm
- 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
- N200** Roller lever 2 mm Toothing (24...26mm) - Plastic roller Ø 20 mm - Width 9.8 mm
- J200** Rod lever - plastic - 200mm -Ø 6mm

- (4)
- 0** Material Castor/Lever: Plastic
 - 1** Material Castor/Lever: Stainless steel
 - 2** Material Castor/Lever: Brass
 - 3** Material Castor/Lever: Aluminium
 - 4** Material Castor/Lever: Steel

Pictures

Photo/Product/Catalogue

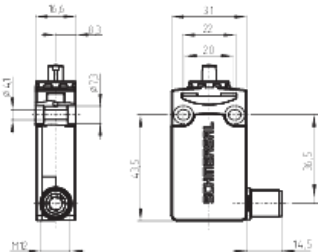


ID: kps1rf03

| 35,0 kB | .png | 74.083 x 86.078 mm - 210 x 244
Pixel - 72 dpi

| 545,1 kB | .jpg | 352.425 x 410.281 mm - 999 x 1163
Pixel - 72 dpi

Dimension/Product/Basic

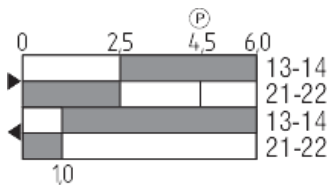


ID: kps11g01

| 132,8 kB | .jpg | 352.778 x 279.047 mm - 1000 x 791
Pixel - 72 dpi

| 4,8 kB | .png | 74.083 x 58.561 mm - 210 x 166 Pixel
- 72 dpi

Diagramm/Product/Travel



ID: kps11s01

| 2,2 kB | .png | 74.083 x 41.628 mm - 210 x 118 Pixel
- 72 dpi

| 69,9 kB | .jpg | 352.778 x 198.261 mm - 1000 x 562
Pixel - 72 dpi

Graphic/Product/Contact

ID: kps16k02

(3) BN 13 — 14 PK (4)
(1) YE 21 — 22 WH (2)

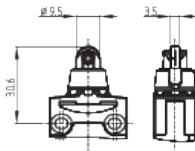
| 1,3 MB | .cdr |

| 56,4 kB | .jpg | 352.778 x 64.206 mm - 1000 x 182

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

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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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