



PS116-T11-LR200-R200

- Symmetric enclosure
- Thermoplastic enclosure
- plastic roller Ø 9,5 mm
- Pre-wired cable right, 2
- Protection class IP66, IP67
- Slow action 1 Normally open contact (NO) / 1 Opener (NC)

Data

Ordering data

	PS116-T11-LR200-R200
	103006566
EAN (European Article Number)	4030661442150
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	177.5 g

General data - Features

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

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

Actuating force, minimum

10 N

Positive break force, minimum

40 N

Actuating speed, minimum

120 mm/min

Actuating speed, maximum

1 m/s

Mechanical data - Connection technique

Terminal Connector

Cable, 4-pole

Length of cable

2 m

Wire cross-section

0.5 mm²

LiYY

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

4 kV

Electrical data

Thermal test current

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	3 A
Utilisation category DC-13	24 VDC
Utilisation category DC-13	1.5 A
Switching element	NO contact, NC contact
Switching principle	Creep circuit 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

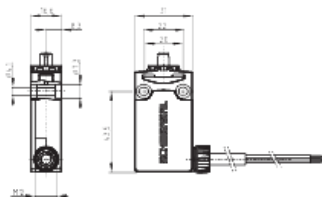


ID: kps1rf01

| 212,1 kB | .jpg | 352.778 x 235.303 mm - 1000 x 667 Pixel - 72 dpi

| 14,1 kB | .png | 74.083 x 49.389 mm - 210 x 140 Pixel - 72 dpi

Dimension/Product/Basic

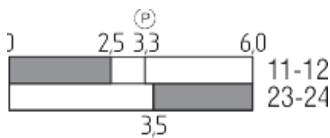


ID: kps11g04

| 98,3 kB | .jpg | 352.778 x 214.136 mm - 1000 x 607 Pixel - 72 dpi

| 4,0 kB | .png | 74.083 x 44.803 mm - 210 x 127 Pixel - 72 dpi

Diagramm/Product/Travel



ID: kps11s04

| 51,9 kB | .jpg | 352.778 x 142.522 mm - 1000 x 404 Pixel - 72 dpi

| 1,8 kB | .png | 74.083 x 29.986 mm - 210 x 85 Pixel - 72 dpi

Graphic/Product/Contact

(3) BN 11 — 12 PK (4)
(1) YE 23 — 24 WH (2)

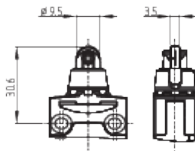
ID: kps16k06

| 1,3 MB | .cdr |

| 52,0 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

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.

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