



PS116-T11-LR200-R200

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

Data

Ordering data

Product type description	PS116-T11-LR200-R200
Article number (order number)	103006566
EAN (European Article Number)	4030661442150
eCl@ss number, version 12.0	27-27-26-01
eCl@ss number, version 11.0	27-27-26-01
eCl@ss number, version 9.0	27-27-26-01
ETIM number, version 7.0	EC000030
ETIM number, version 6.0	EC000030

Approvals - Standards

Certificates	cULus CCC
--------------	--------------

General data

Standards	EN IEC 60947-5-1
Housing construction form	Norm construction design

Actuator type to EN 50047	c
Housing material	Plastic, glass-fibre reinforced thermoplastic, zinc die-cast, chromated
Active area	Metal film
Gross weight	177 g

General data - Features

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

Safety classification

Standards	EN ISO 13849-1
B _{10D} Normally-closed contact (NC)	20,000,000 Operations
B _{10D} Normally-open contact (NO)	1,000,000 Operations
Note	at 10% I _e and ohmic load
Mission time	20 Year(s)

Mechanical data

Actuating element	Roller plunger R200
Roller material	Plastic
Mechanical lifetime, minimum	10,000,000 Operations
Actuating force, minimum	10 N
Positive break force, minimum	40 N
Actuating speed, minimum	60 mm/min
Actuating speed, maximum	0.5 m/s
Note (Actuating speed)	Actuating speed with actuating angle 30° to switch axis
Actuating torque, minimum	0.2 Nm
Positive break torque	0.6 Nm

Mechanical data - Connection technique

Length of cable	2 m
Termination	Pre-wired cable Cable, 4-pole
Number of cable wires	4
Wire cross-section	0.5 mm ²
Cable type	LiYY
Terminal (mechanical)	right

Mechanical data - Dimensions

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

Ambient conditions

Degree of protection	IP66 IP67
Ambient temperature	-30 ... +80 °C
Protection class	II

Ambient conditions - Insulation values

Rated insulation voltage U _i	300 V
Rated impulse withstand voltage U _{imp}	4 kV
Degree of pollution	3

Electrical data

Required rated short-circuit current	400 A
Utilisation category AC-15	240 VAC
Utilisation category DC-13	24 VDC

Utilisation category DC-13	1.5 A
Switching element	1 NO contact, 1 NC contacts
Switching principle	Slow action
Bounce duration, maximum	3 ms
Maximale Schalthäufigkeit	5,000 /h
Switchover time, maximum	5.5 ms
Material of the contacts, electrical	Silver

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
LR300	Connecting cable right, cable length 3 m

LR500	Connecting cable right, cable length 5 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

Product picture (catalogue individual photo)



ID: kps1rf01

| 212.1 kB | .jpg | 352.778 x 235.303 mm - 1000 x 667 px - 72 dpi

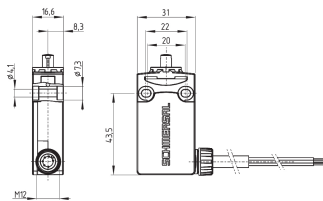
| 14.1 kB | .png | 74.083 x 49.389 mm - 210 x 140 px - 72 dpi

| 26.1 kB | .jpg | 123.472 x 82.197 mm - 350 x 233 px - 72 dpi

| 17.5 kB | .png | 74.083 x 74.083 mm - 210 x 210 px - 72 dpi

| 1.4 MB | .png | 169.333 x 113.03 mm - 2000 x 1335 px - 300 dpi

Dimensional drawing basic component



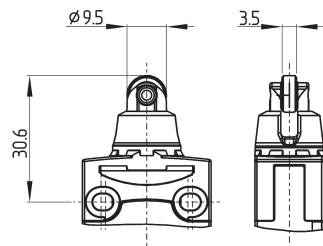
ID: kps11g04

| 246.1 kB | .ai | 200 x 200 mm - 566 x 566 px - 72 dpi

| 4.0 kB | .png | 74.083 x 44.803 mm - 210 x 127 px - 72 dpi

| 98.3 kB | .jpg | 352.778 x 214.136 mm - 1000 x 607 px - 72 dpi

Dimensional drawing actuator



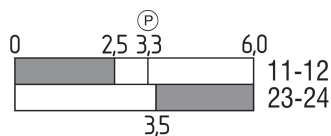
ID: kps11b02

| 352.8 kB | .ai | 126.86 x 84.573 mm - 359 x 239 px - 72 dpi

| 6.6 kB | .png | 74.083 x 49.389 mm - 210 x 140 px - 72 dpi

| 143.9 kB | .jpg | 352.778 x 272.344 mm - 1000 x 772 px - 72 dpi

Switch travel diagram



ID: kps11s04

| 1.8 kB | .png | 74.083 x 29.986 mm - 210 x 85 px - 72 dpi

| 51.9 kB | .jpg | 352.778 x 142.522 mm - 1000 x 404 px - 72 dpi

Diagram



ID: kps16k06

| 1.3 MB | .cdr |

| 52.0 kB | .jpg | 352.778 x 64.206 mm - 1000 x 182 px - 72 dpi

| 2.5 kB | .png | 74.083 x 13.406 mm - 210 x 38 px - 72 dpi

K.A. Schmersal GmbH & Co. KG, Möddinghofe 30, 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: 27/02/2026, 12:54