



## PS116-T12-STR-S200

- connector plug M12, right
- Slow action 1 Normally open contact (NO) / 1 Opener (NC)
- connector plug M12, 8-pole
- Thermoplastic enclosure
- Symmetric enclosure
- Protection class IP66, IP67

## Data

### Ordering data

Product type description	PS116-T12-STR-S200
Article number (order number)	103013474
EAN (European Article Number)	4030661491080
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
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### General data

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

Actuator type to EN 50047	B
Housing material	Plastic, glass-fibre reinforced thermoplastic, zinc die-cast, chromated
Active area	Metal film
Gross weight	55 g

## General data - Features

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

## Safety classification

Standards	EN ISO 13849-1
B <sub>10D</sub> Normally-closed contact (NC)	20,000,000 Operations
B <sub>10D</sub> Normally-open contact (NO)	1,000,000 Operations
Note	at 10% I <sub>e</sub> and ohmic load
Mission time	20 Year(s)

## Mechanical data

Actuating element	Plunger S200
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
Positive break torque	0.6 Nm

## Mechanical data - Connection technique

Connector position	Right
Termination	Connector M12, 6-pole

Number of cable wires	6
Wire cross-section	0.5 mm <sup>2</sup>

### **Mechanical data - Dimensions**

Length of sensor	16.6 mm
Width of sensor	31 mm
Height of sensor	64 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, 2 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)

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<b>Z11</b>	Snap action 1 NO contact / 1 NC contact
<b>Z02</b>	Snap action 2 NC contacts
<b>Z12</b>	Snap action 1 NO contact / 2 NC contact
<b>Z11R</b>	Snap action 1 NO contact / 1 NC contact with latching
<b>Z02R</b>	Snap action 2 NC contacts with latching
<b>Z12R</b>	Snap action 1 NO contact / 2 NC contact with latching
<b>T11</b>	Slow action 1 NO contact / 1 NC contact
<b>T02</b>	Slow action 2 NC contacts
<b>T20</b>	Slow action 2 NO contact
<b>T12</b>	Slow action 1 NO contact / 2 NC contact
<b>T21</b>	Slow action 2 NO contact / 1 NC contact
<b>T03</b>	Slow action 3 NC contacts
<b>T11UE</b>	Slow action 1 NO contact / 1 NC contact with overlapping contacts
<b>T02H</b>	Slow action 2 NC contacts with staggered contacts

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<b>L200</b>	Connecting cable bottom, cable length 2 m
<b>LR200</b>	Connecting cable right, cable length 2 m
<b>LR300</b>	Connecting cable right, cable length 3 m
<b>LR500</b>	Connecting cable right, cable length 5 m
<b>ST</b>	Connector plug M12 - plastic - bottom
<b>STR</b>	Connector plug M12, right

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<b>S200</b>	plunger S200 Ø 6 mm
<b>R200</b>	Roller plunger R200
<b>K200</b>	Offset roller lever - plastic roller- width 5.3 mm - Ø 12 mm

<b>K210</b>	Offset roller lever - plastic roller- width 5mm - Ø 14mm
<b>K230</b>	Angle roller lever - plastic roller Ø 14 mm
<b>K240</b>	Angle roller lever with plastic roller Ø 22 mm - right-bent
<b>K250</b>	Angle roller lever with plastic roller Ø 22 mm - left-bent
<b>H200</b>	Roller lever - plastic roller Ø 16 m - lever length 24 mm
<b>N200</b>	Roller lever 2 mm Toothing (24...26mm) - Plastic roller Ø 20 mm - Width 9.8 mm
<b>J200</b>	Rod lever - plastic - 200mm -Ø 6mm

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<b>0</b>	Material Castor/Lever: Plastic
<b>1</b>	Material Castor/Lever: Stainless steel
<b>2</b>	Material Castor/Lever: Brass
<b>3</b>	Material Castor/Lever: Aluminium
<b>4</b>	Material Castor/Lever: Steel

## Pictures

### Product picture (catalogue individual photo)



ID: kps1sf03

| 517.1 kB | .jpg | 352.425 x 410.281 mm - 999 x 1163 px - 72 dpi

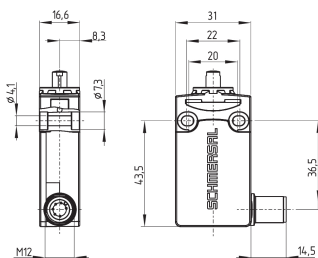
| 32.3 kB | .png | 74.083 x 86.078 mm - 210 x 244 px - 72 dpi

| 46.4 kB | .jpg | 106.186 x 123.472 mm - 301 x 350 px - 72 dpi

| 29.5 kB | .png | 74.083 x 74.083 mm - 210 x 210 px - 72 dpi

| 3.3 MB | .png | 169.333 x 197.019 mm - 2000 x 2327 px - 300 dpi

### Dimensional drawing basic component



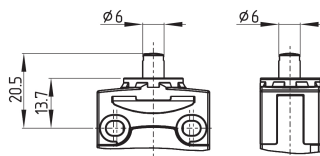
ID: kps11g01

| 224.3 kB | .ai | 200 x 200 mm - 566 x 566 px - 72 dpi

| 4.8 kB | .png | 74.083 x 58.561 mm - 210 x 166 px - 72 dpi

| 132.8 kB | .jpg | 352.778 x 279.047 mm - 1000 x 791 px - 72 dpi

## Dimensional drawing actuator



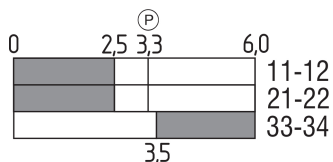
ID: kps11b01

| 180.6 kB | .ai | 105.634 x 49.427 mm - 299 x 140 px - 72 dpi

| 3.2 kB | .png | 74.083 x 34.572 mm - 210 x 98 px - 72 dpi

| 91.1 kB | .jpg | 352.778 x 173.567 mm - 1000 x 492 px - 72 dpi

## Switch travel diagram

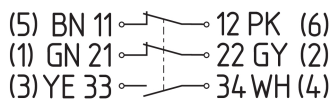


ID: kps11s07

| 2.0 kB | .png | 74.083 x 36.689 mm - 210 x 104 px - 72 dpi

| 67.0 kB | .jpg | 352.778 x 173.919 mm - 1000 x 493 px - 72 dpi

## Diagram



ID: kps16k09

| 1.3 MB | .cdr |

| 84.8 kB | .jpg | 352.778 x 97.367 mm - 1000 x 276 px - 72 dpi

| 3.9 kB | .png | 74.083 x 20.461 mm - 210 x 58 px - 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.

Generated on: 27/02/2026, 12:53