

PS116-Z12-ST-K250

- **Symmetric enclosure**
- **Thermoplastic enclosure**
- **connector plug M12, bottom**
- **Protection class IP66, IP67**
- **Actuator heads can be repositioned by 8 x 45°**
- **Snap action 1 Normally open contact (NO) / 2 Opener (NC)**

Data

Ordering data	
	PS116-Z12-ST-K250
	103006666
EAN (European Article Number)	4030661442976
eCl@ss number, Version 9.0	27-27-26-01
Approval - Standards	
	cULus CCC EAC
General data	
Product name	PS116 angle roller lever K250
	IEC 60947-5-1
Terminal (mechanical)	bottom
Housing construction form	Norm construction design
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, zinc die-cast, chromated
Material of the contacts, electrical	Silver
Gross weight	210 g
General data - Features	
Safety functions	Yes
Number of auxiliary contacts	1

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	Angle roller lever K250
Mechanical life, minimum	10,000,000 Operations
Actuating force, minimum	6 N
Positive break force, minimum	40 N
Actuating speed, minimum	44 mm/min
Actuating speed, maximum	1 m/s
Mechanical data - Connection technique	
Terminal Connector	Connector M12, 6-pole
Mechanical data - Dimensions	
Height of sensor	95.5 mm
Length of sensor	16.6 mm
Width of sensor	31 mm
Diameter of Castor	22 mm
Ambient conditions	
	IP66 IP67
Ambient temperature, minimum	-30 °C
Ambient temperature, maximum	+80 °C
Ambient conditions - Insulation value	
Rated impulse withstand voltage	0.8 kV
Electrical data	
Thermal test current	2 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

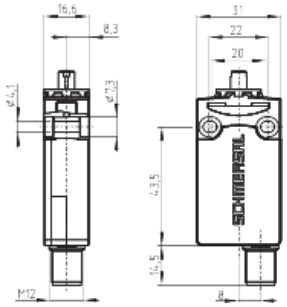
Photo/Product/Catalogue



ID: kps1kf32

| 679,2 kB | .jpg | 352.425 x 586.317 mm - 999 x 1662 Pixel - 72 dpi
| 47,0 kB | .png | 74.083 x 123.119 mm - 210 x 349 Pixel - 72 dpi

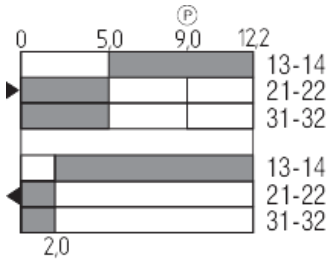
Dimension/Product/Basic



ID: kps11g02

| 4,8 kB | .png | 74.083 x 70.203 mm - 210 x 199 Pixel - 72 dpi
| 148,1 kB | .jpg | 352.778 x 333.728 mm - 1000 x 946 Pixel - 72 dpi

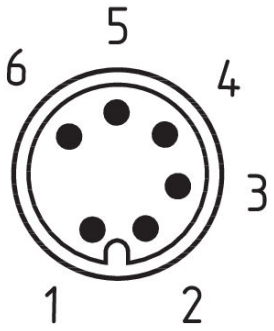
Diagramm/Product/Travel



ID: kps11s48

| 2,7 kB | .png | 74.083 x 58.914 mm - 210 x 167 Pixel - 72 dpi
| 107,0 kB | .jpg | 352.778 x 280.458 mm - 1000 x 795 Pixel - 72 dpi

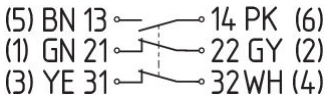
Graphic/Product/Contact



ID: km12-k6e

| 1,3 MB | .cdr |
| 130,2 kB | .jpg | 352.778 x 386.292 mm - 1000 x 1095 Pixel - 72 dpi

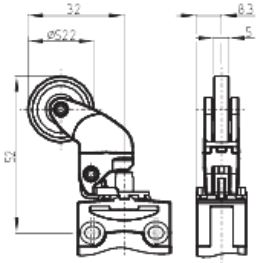
Graphic/Product/Contact



ID: kps16k03

| 85,8 kB | .jpg | 352.778 x 97.367 mm - 1000 x 276 Pixel - 72 dpi

Dimension/Product/Actuator



ID: kps11b08

| 5,8 kB | .png | 74.083 x 72.319 mm - 210 x 205 Pixel - 72 dpi
| 214,1 kB | .jpg | 352.778 x 365.831 mm - 1000 x 1037 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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