



PS116-Z11-ST-H200

- Symmetric enclosure
- Thermoplastic enclosure
- connector plug M12, bottom
- Protection class IP66, IP67
- Lever angle adjustable in 15° steps
- Actuator heads can be repositioned by 8 x 45°
- Snap action 1 Normally open contact (NO) / 1 Opener (NC)

Data

Ordering data

	PS116-Z11-ST-H200
	103006659
EAN (European Article Number)	4030661442907
eCl@ss number, Version 9.0	27-27-26-01

Approval - Standards

cULus
CCC
EAC

General data

Product name	PS116 roller lever H200
	IEC 60947-5-1
Terminal (mechanical)	bottom
Housing construction form	Norm construction design
Actuator type to DIN EN 50047	A
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, zinc die-cast, chromated
Material of the contacts, electrical	Silver
Gross weight	109.5 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
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Mechanical data

Actuating element	Roller lever H200
Mechanical life, minimum	10,000,000 Operations
Actuating speed, minimum	92 mm/min
Actuating speed, maximum	1 m/s
Actuating torque, minimum	0.2 Nm
Positive break torque	0.6 Nm

Mechanical data - Connection technique

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

Height of sensor	101 mm
Length of sensor	16.6 mm
Width of sensor	31 mm
Diameter of Castor	16 mm
Length of the lever	24 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

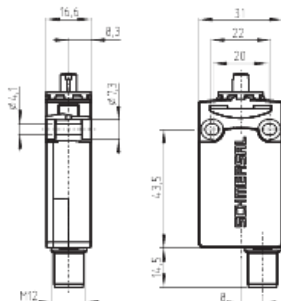


ID: kps1hf04

| 45,4 kB | .png | 74.083 x 121.708 mm - 210 x 345
Pixel - 72 dpi

| 633,8 kB | .jpg | 352.778 x 579.614 mm - 1000 x
1643 Pixel - 72 dpi

Dimension/Product/Basic

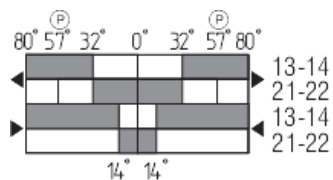


ID: kps11g02

| 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: kps11s55

| 2,7 kB | .png | 74.083 x 40.217 mm - 210 x 114 Pixel
- 72 dpi

| 95,5 kB | .jpg | 352.778 x 191.911 mm - 1000 x 544
Pixel - 72 dpi

Graphic/Product/Contact

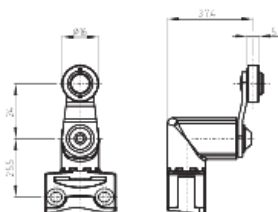
(3) BN 13 — 14 PK (4)
(1) YE 21 — 22 WH (2)

ID: kps16k02

| 1,3 MB | .cdr |

| 56,4 kB | .jpg | 352.778 x 64.206 mm - 1000 x 182
Pixel - 72 dpi

Dimension/Product/Actuator



ID: kps11b09

| 132,3 kB | .jpg | 352.778 x 267.406 mm - 1000 x 758
Pixel - 72 dpi

| 4,4 kB | .png | 74.083 x 59.267 mm - 210 x 168 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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