



PS116-Z11-STR-K230

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

Data

Ordering data

	PS116-Z11-STR-K230
	103006622
EAN (European Article Number)	4030661442532
eCl@ss number, Version 9.0	27-27-26-01

Approval - Standards

cULus
CCC
EAC

General data

Product name	PS116 angle roller lever K230 IEC 60947-5-1
Terminal (mechanical)	right
Housing construction form	Norm construction design
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, zinc die-cast, chromated
Material of the contacts, electrical	Silver

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

Angle roller lever K230

Mechanical life, minimum

10,000,000 Operations

Actuating force, minimum

9.5 N

Positive break force, minimum

40 N

Actuating speed, minimum

27 mm/min

Actuating speed, maximum

1 m/s

Mechanical data - Connection technique

Terminal Connector

Connector M12, 4-pole

Mechanical data - Dimensions

Height of sensor

82 mm

Length of sensor

16.6 mm

Width of sensor

31 mm

Diameter of Castor

14 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

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

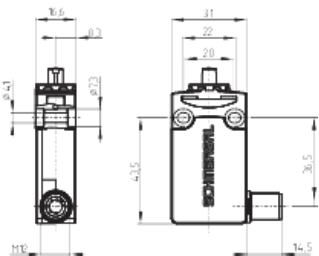


ID: kps1kf17

| 590,8 kB | .jpg | 352.778 x 460.022 mm - 1000 x 1304 Pixel - 72 dpi

| 39,4 kB | .png | 73.731 x 96.308 mm - 209 x 273 Pixel - 72 dpi

Dimension/Product/Basic

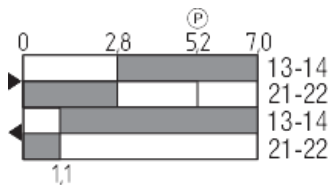


ID: kps1lg01

| 132,8 kB | .jpg | 352.778 x 279.047 mm - 1000 x 791 Pixel - 72 dpi

| 4,8 kB | .png | 74.083 x 58.561 mm - 210 x 166 Pixel - 72 dpi

Diagramm/Product/Travel



ID: kps1ls28

| 2,2 kB | .png | 74.083 x 41.628 mm - 210 x 118 Pixel - 72 dpi

| 72,1 kB | .jpg | 352.778 x 198.261 mm - 1000 x 562 Pixel - 72 dpi

Graphic/Product/Contact

ID: kps16k02

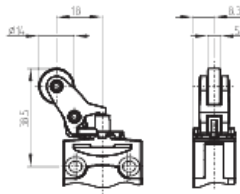
(3) BN 13 — 14 PK (4)
(1) YE 21 — 22 WH (2)

| 1,3 MB | .cdr |

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

Pixel - 72 dpi

Dimension/Product/Actuator



ID: kps11b06

| 150,0 kB | .jpg | 352.778 x 290.689 mm - 1000 x 824

Pixel - 72 dpi

| 4,1 kB | .png | 74.083 x 61.736 mm - 210 x 175 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.

Generated on 112021-01-31T02:09:11+01:000201Europe/BerlinSun, 31 Jan 2021 02:09:11

+010011amSunday.31am31Europe/BerlinCET0901Europe/BerlinJanuary2021Sun, 31 Jan 2021 02:09:11

+010001am31