



PS116-Z11-LR200-J200

- Pre-wired cable right, 2 m
- Snap action 1 Normally open contact (NO) / 1 Opener (NC)
- **only for positioning tasks**
- Thermoplastic enclosure
- Symmetric enclosure
- Lever angle adjustable in 15° steps
- Protection class IP66, IP67
- Actuator heads can be repositioned by 8 x 45°
- Design to EN 50047

Data

Ordering data

Product type description	PS116-Z11-LR200-J200
Article number (order number)	103006581
EAN (European Article Number)	4030661442303
eCl@ss number, version 12.0	27-27-06-01
eCl@ss number, version 11.0	27-27-06-01
eCl@ss number, version 9.0	27-27-06-01
ETIM number, version 7.0	EC000030
ETIM number, version 6.0	EC000030

Approvals - Standards

Certificates	cULus
	CCC
	EAC

General data

Standards	EN 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
Gross weight	240 g

General data - Features

Number of auxiliary contacts	1
Number of safety contacts	1

Safety classification

Standards	EN ISO 13849-1
Mission time	20 Year(s)

Safety classification - Safety outputs

B _{10D} Normally-closed contact (NC)	20,000,000 Operations
---	-----------------------

Mechanical data

Actuating element	Rod lever J200
Mechanical life, minimum	10,000,000 Operations
Actuating speed, minimum	10 mm/min
Actuating speed, maximum	1 m/s
Actuating torque, minimum	0.2 Nm
Positive break torque	0.6 Nm

Mechanical data - Connection technique

Termination	Cable, 4-pole
Length of cable	2 m
Wire cross-section	0.5 mm ²
Cable type	LiYY

Mechanical data - Dimensions

Length x Width x Height	Height of sensor: 169 mm (rod centre)
Length of sensor	16.6 mm
Width of sensor	31 mm
Diameter of the Rod	6 mm
Length of the lever	200 mm

Ambient conditions

Degree of protection	IP67 IP66
Ambient temperature, minimum	-30 °C
Ambient temperature, maximum	+80 °C

Ambient conditions - Insulation values

Rated insulation voltage U _i	300 V
Rated impulse withstand voltage U _{imp}	4 kV

Electrical data

Thermal test current	5 A
Required rated short-circuit current	400 A
Utilisation category AC-15	240 VAC
Utilisation category AC-15	3 A

Utilisation category DC-13	24 VDC
Utilisation category DC-13	1.5 A
Switching element	NO contact, NC contact
Switching principle	Snap action
Bounce duration, maximum	3 ms
Switching frequency	5,000 /h
Switchover time, maximum	5.5 ms

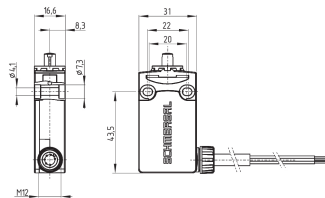
Pictures

Product picture (catalogue individual photo)



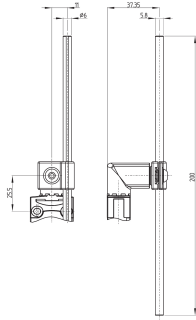
ID: kps1jf01
 | 307.1 kB | .jpg | 352.425 x 609.953 mm - 999 x 1729 px - 72 dpi
 | 20.4 kB | .png | 74.083 x 128.058 mm - 210 x 363 px - 72 dpi

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



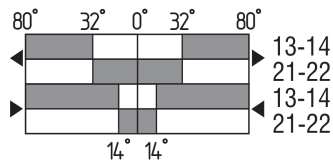
ID: kps11b11

| 192.6 kB | .ai | 157.932 x 238.066 mm - 447 x 674 px - 72 dpi

| 4.3 kB | .png | 74.083 x 111.478 mm - 210 x 316 px - 72 dpi

| 161.7 kB | .jpg | 352.425 x 589.139 mm - 999 x 1670 px - 72 dpi

Switch travel diagram

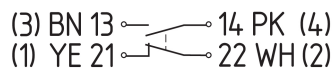


ID: kps11s64

| 2.4 kB | .png | 74.083 x 37.747 mm - 210 x 107 px - 72 dpi

| 84.8 kB | .jpg | 352.778 x 179.564 mm - 1000 x 509 px - 72 dpi

Diagram



ID: kps16k02

| 1.3 MB | .cdr |

| 56.4 kB | .jpg | 352.778 x 64.206 mm - 1000 x 182 px - 72 dpi

| 3.1 kB | .png | 74.083 x 13.406 mm - 210 x 38 px - 72 dpi

Schmersal, Inc., 15 Skyline Drive, Hawthorne, NY 10532

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: 12/16/2022, 2:10 AM