



PS116-Z11-L200-S200

- Pre-wired cable bottom, 2
- Snap action 1 Normally open contact (NO) / 1 Opener (NC)
- Thermoplastic enclosure
- Symmetric enclosure
- Protection class IP66, IP67

Data

Ordering data

Product type description	PS116-Z11-L200-S200
Article number (order number)	103006633
EAN (European Article Number)	4030661442648
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
	EAC

General data

Standards	EN IEC 60947-5-1
Terminal (mechanical)	bottom
Housing construction form	Norm construction design
Actuator type to EN 50047	B
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, zinc die-cast, chromated
Material of the contacts, electrical	Silver
Gross weight	181 g

General data - Features

Safety functions	Yes
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
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Mechanical data

Actuating element	plunger S200
Mechanical life, minimum	10,000,000 Operations
Actuating force, minimum	10 N
Positive break force, minimum	40 N
Actuating speed, minimum	10 mm/min
Actuating speed, maximum	0.5 m/s

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 of sensor	16.6 mm
Width of sensor	31 mm
Height of sensor	64 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	1,000 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

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
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LR200	Connecting cable right, cable length 2 m
LR300	Connecting cable right, cable length 3 m
LR500	Connecting cable right, cable length 5 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

Product picture (catalogue individual photo)

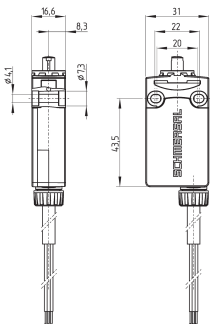


ID: kps1sf02

| 564.0 kB | .jpg | 352.778 x 681.214 mm - 1000 x 1931 px - 72 dpi

| 35.6 kB | .png | 74.083 x 142.875 mm - 210 x 405 px - 72 dpi

Dimensional drawing basic component



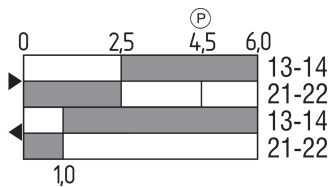
ID: kps11g03

| 271.3 kB | .ai | 200 x 200 mm - 566 x 566 px - 72 dpi

| 6.3 kB | .png | 74.083 x 113.242 mm - 210 x 321 px - 72 dpi

| 199.2 kB | .jpg | 352.425 x 539.75 mm - 999 x 1530 px - 72 dpi

Switch travel diagram

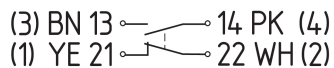


ID: kps11s01

| 2.2 kB | .png | 74.083 x 41.628 mm - 210 x 118 px - 72 dpi

| 69.9 kB | .jpg | 352.778 x 198.261 mm - 1000 x 562 px - 72 dpi

Diagram



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| 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

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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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