DATASHEET

PS216-T12-K250

- thermoplastic enclosure with foldable latching cover
- Quick connection technology as connection terminals rotated by 45°
- Simple and quick to adjust the control elements by 45°.
- cable entry 1 x M20 x 1,5
- Design to EN 50047
- Actuation from bottom parallel to the switch, therefore only suitable for small housings.
- LED version available

Data

Ordering data

Product type description	PS216-T12-K250
Article number (order number)	103015041
EAN (European Article Number)	4030661501918
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
Housing construction form	Norm construction design
Enclosure material	Plastic, glass-fibre-reinforced
Material of the contacts, electrical	Silver
Gross weight	77 g

General data - Features

Safety functions	Yes
Number of auxiliary contacts	1
Number of safety contacts	2

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	Angle roller lever K250
Mechanical life, minimum	10,000,000 Operations
Positive break force, minimum	40 N
Actuating speed, minimum	60 mm/min
Actuating speed, maximum	1 m/s

Mechanical data - Connection technique

Termination	Screw terminals M20 x 1.5
Cable section, minimum	0.34 mm²
Cable section, maximum	1.5 mm²

Mechanical data - Dimensions

Length of sensor	32.5 mm
Width of sensor	31 mm
Height of sensor	107 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	3 A

Switching element	1 NO contact, 2 NC contacts
Switching principle	Slow action
Switching frequency	5,000 /h

Ordering code

Product type description:
PS2(2)-(3)-(4)-(5)-(6)-(7)-(8)-(9)-(10)-(11)-(12)

(1)

without	non-EX version
EX	Types of protection Ex d and t, to Zone 1/21
EXI	Types of protection Ex i and t, up to Zone 1/21

(2)

215	Metal enclosure
216	Thermoplastic enclosure
226	Plastic housing with 2 cable entries

(3)

without	L-hole (standard)
L	elongated hole

(4)

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
Z01R	Snap action 1 NC contact with latching
Z02R	Snap action 2 NC contacts 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
T11K	Slow action 1 NO contact + 1 NC contact - short-stroke
T10	Slow action 1 NO contact
T02K	Slow action 2 NO contacts short-stroke
T20H	Slow action 2 NO contacts staggered

(5)

without	Contacts silver plated (Standard)
A1	Gold contacts 0,3 µm
A2	Gold contacts 1,0 µm
A3	Gold contacts 3,0 µm

(6)

without	without indication light
G	integrated status display

(7)

without	Cable entry M20
M16	cable entry M16
ST	Connector plug M12 - plastic - bottom
STR	Connector plug M12, right
STL	Connector plug M 12, left
STM	Connector plug M12, metal

(8)

S200	plunger S200 Ø 6 mm

S210	Plunger Ø 8,6 mm
S211	Plunger Ø 10,3 mm
S221	Plunger Ø 9,8 mm
R200	Roller plunger R200
R201	Roller plunger - stainless steel roller Ø 9,5mm
R210	Roller plunger - plastic roller Ø 12mm
K201	Roller plunger - stainless steel roller - width 5,3 mm - Ø 12mm
K200	Offset roller lever - plastic roller- width 5.3 mm - Ø 12 mm
K201	Roller plunger - stainless steel roller - width 5,3 mm - Ø 12mm
K210	Offset roller lever - plastic roller- width 5mm - Ø 14mm
K211	Offset roller lever - stainless steel roller - width 5mm - Ø 14mm
K220	Offset roller lever - plastic roller- width 7.6 mm - Ø 14 mm
K230	Angle roller lever - plastic roller Ø 14 mm
K231	Roller plunger - stainless steel roller Ø 14mm (Standard)
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
H202	Roller lever - brass roller Ø 16mm - lever length 24mm (Standard)
H230	Roller lever - plastic roller Ø 16mm - lever length 28 mm
H232	Roller lever - brass roller Ø 16mm - lever length 28 mm
H236	Roller lever - rubber roller Ø 16mm - lever length 28 mm
N200	Roller lever 2 mm Toothing (24…26mm) - Plastic roller Ø 20 mm - Width 9.8 mm
N201	Roller lever adjustable in 2 mm steps (24...66mm) - stainless steel roller Ø 20mm - width 9,8 mm
N202	Roller lever - adjustable in 2 mm steps (24...66mm) - brass roller Ø 20mm - width 9,8 mm

N206	Roller lever - adjustable in 2 mm steps (24...66mm) - rubber roller Ø 50mm - width 16 mm
N210	Roller lever - adjustable in 2 mm steps (24...66mm) - plastic roller Ø 20mm - width 5 mm - long- angled - locking washer
N280	Roller lever -adjustable in 2 mm steps (24...66mm) - plastic roller Ø 20mm - width 5 mm - long - locking washer
J200	Rod lever - plastic - 200mm -Ø 6mm
J201	Rod lever - stainless steel - 200mm -Ø 6mm (Standard)
J203	Rod lever - aluminium - 200mm -Ø 6mm
F230	Spring rod - stainless steel - 150.4 mm
F231	Spring rod - stainless steel - 70.2 mm
A200	Special actuating bolt - plastic - valve control

(9)

without	no intent rotation (Standard)
U1	intent rotation 45°
U2	intent rotation 90°
U3	intent rotation 135°
U4	intent rotation 180°
U5	intent rotation 225°
U6	intent rotation 275°
U7	intent rotation 315°

(10)

without	no lever rotation (Standard)
X1	lever rotation 15°
X2	lever rotation 30°
X3	lever rotation 45°
X4	lever rotation 60°
X5	lever rotation 75°
X6	lever rotation 90°

X7	lever rotation 105°
X8	lever rotation 120°
X9	lever rotation 135°
X10	lever rotation 150°
X11	lever rotation 165°
X12	lever rotation 180°
X13	lever rotation 195°
X14	lever rotation 210°
X15	lever rotation 225°
X16	lever rotation 240°
X17	lever rotation 255°
X18	lever rotation 270°
X19	lever rotation 285°
X20	lever rotation 300°
X21	lever rotation 315°
X22	lever rotation 330°
X23	lever rotation 345°

(11)

without	Roller outside (Standard)
I	Roller inside

(12)

without	-30...+80°C (Standard)
T	-40...+80°C

(13)

(14)

without	Zone 2 and 22
3GD	Zone 2 and 22

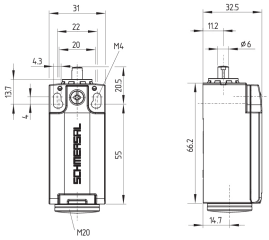
2D	Zone 21
3D	Zone 22

Pictures

Product picture (catalogue individual photo)

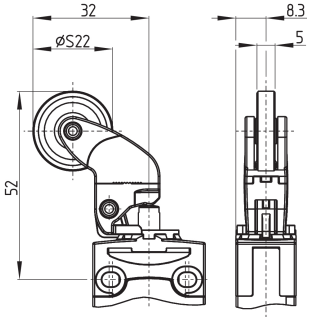
ID: kps2kf14
| 739.6 kB | .jpg | 352.778 x 649.111 mm - 1000 x 1840 px - 72 dpi
| 51.3 kB | .png | 74.083 x 136.172 mm - 210 x 386 px - 72 dpi

Dimensional drawing basic component



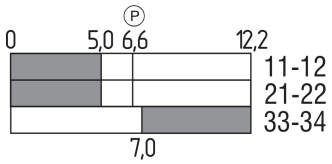
ID: kps2xg01
| 4.4 kB | .png | 74.083 x 68.086 mm - 210 x 193 px - 72 dpi
| 111.3 kB | .jpg | 352.778 x 323.85 mm - 1000 x 918 px - 72 dpi

Dimensional drawing actuator



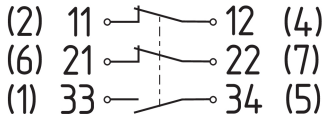
ID: kps11b08
| 394.5 kB | .ai | 106.3 x 103.964 mm - 301 x 294 px - 72 dpi
| 5.8 kB | .png | 74.083 x 72.319 mm - 210 x 205 px - 72 dpi
| 214.1 kB | .jpg | 352.778 x 365.831 mm - 1000 x 1037 px - 72 dpi

Switch travel diagram



ID: kps11s52
| 2.0 kB | .png | 74.083 x 36.336 mm - 210 x 103 px - 72 dpi
| 67.5 kB | .jpg | 352.778 x 173.214 mm - 1000 x 491 px - 72 dpi

Diagram



ID: kps2xk02
| 80.7 kB | .jpg | 352.778 x 148.167 mm - 1000 x 420 px - 72 dpi
| 3.6 kB | .png | 74.083 x 31.044 mm - 210 x 88 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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