

## PS215-T12-K230



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

### Data

#### Ordering data

Product type description	PS215-T12-K230
Article number (order number)	103014990
EAN (European Article Number)	4030661501598

#### Certifications

Certificates	cULus CCC EAC
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#### General data

Product name	PS215 with angle roller lever K230
Standards	IEC 60947-5-1
Housing construction form	Norm construction design
Enclosure material	Metal, zinc die-cast
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Gross weight	205 g

#### General data - Features

Safety functions	Yes
Number of auxiliary contacts	1

Number of safety contacts	2
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### Safety appraisal

Standards	ISO 13849-1
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Mission Time	20 Year(s)
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### Safety appraisal - Safety outputs

B10d Normally-closed contact (NC)	20,000,000 Operations
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### Mechanical data

Actuating element	Angle roller lever K230
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Mechanical life, minimum	10,000,000 Operations
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Positive break force, minimum	40 N
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Actuating speed, minimum	60 mm/min
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Actuating speed, maximum	1 m/s
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### Mechanical data - Connection technique

Terminal Connector	Screw connection
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Cable section, minimum	0.34 mm <sup>2</sup>
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Cable section, maximum	1.5 mm <sup>2</sup>
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### Mechanical data - Dimensions

Height of sensor	93.5 mm
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Length of sensor	32.5 mm
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Width of sensor	31 mm
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### Ambient conditions

Protection class	IP66 IP67
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Ambient temperature, minimum	-30 °C
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Ambient temperature, maximum	+80 °C
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### Ambient conditions - Insulation value

Rated impulse withstand voltage	4 kV
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### Electrical data

Thermal test current	5 A
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Required rated short-circuit current to EN 60947-5-1	400 A
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Utilisation category AC-15	240 VAC
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Utilisation category AC-15	3 A
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Utilisation category DC-13	24 VDC
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Utilisation category DC-13	3 A
Switching element	1 NO contact, 2 NC contacts
Switching principle	Creep circuit element
Switching frequency	5,000 /h

## Ordering code

Product type description:

PS2(2)-(3)-(4)-(5)-(6)-(7)-(8)-(9)-(10)-(11)-  
(12)

(2)

- 5** 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
- 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

(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

(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  
**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  
**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  
**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 - plastic  
**F231** Spring rod - stainless steel  
**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

## Documents

### UL Certificate

(211,5 kB, 01.08.2019)

### EAC certification

## Pictures

### Product picture (catalogue individual photo)

ID: kps1kf21



| 13,1 kB | .png | 74.083 x 50.447 mm - 210 x 143  
Pixel - 72 dpi

| 129,8 kB | .jpg | 352.778 x 239.536 mm - 1000 x 679  
Pixel - 72 dpi

| 20,1 kB | .jpg | 27.093 x 18.373 mm - 320 x 217 Pixel  
- 300 dpi

### Product picture (catalogue individual photo)



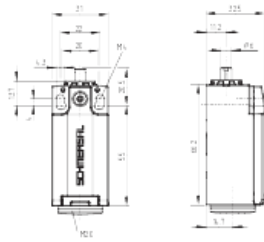
ID: kps2kf07

| 850,1 kB | .jpg | 352.778 x 612.069 mm - 1000 x  
1735 Pixel - 72 dpi

| 52,2 kB | .png | 74.083 x 128.411 mm - 210 x 364  
Pixel - 72 dpi

| 87,2 kB | .jpg | 27.093 x 46.99 mm - 320 x 555 Pixel -  
300 dpi

## Dimensional drawing basic component



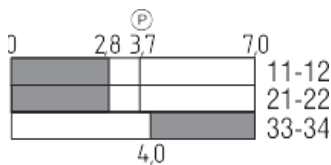
ID: kps2xg01

| 4,4 kB | .png | 74.083 x 68.086 mm - 210 x 193 Pixel  
- 72 dpi

| 111,3 kB | .jpg | 352.778 x 323.85 mm - 1000 x 918  
Pixel - 72 dpi

| 26,4 kB | .jpg | 112.889 x 103.717 mm - 320 x 294  
Pixel - 72 dpi

## Switch travel diagram

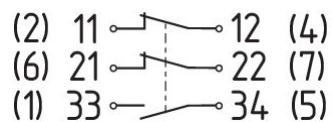


ID: kps11s34

| 18,7 kB | .jpg | 112.889 x 55.739 mm - 320 x 158  
Pixel - 72 dpi

| 2,0 kB | .png | 74.083 x 36.689 mm - 210 x 104 Pixel  
- 72 dpi

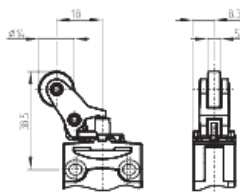
## Diagram



ID: kps2xk02

| 24,0 kB | .jpg | 112.889 x 47.272 mm - 320 x 134  
Pixel - 72 dpi

## Dimensional drawing actuator



ID: kps11b06

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

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