



## TK 015-20Y

- 2 Contacts
- Metal enclosure
- 3 Cable entry M 20 x 1.5
- 67 mm x 75 mm x 43 mm ( basic component)
- Actuator heads can be repositioned by 4 x 90°

## Data

### Ordering data

|                               |               |
|-------------------------------|---------------|
|                               | TK 015-20Y    |
|                               | 101167778     |
| EAN (European Article Number) | 4030661219004 |
| eCl@ss number, Version 9.0    | 27-27-06-01   |

### Approval - Standards

CCC  
EAC

### General data

|                                      |                                           |
|--------------------------------------|-------------------------------------------|
| Product name                         | 015 offset roller lever K<br>EN 60947-5-1 |
| Active principle                     | mechanical                                |
| Slide form                           | Castor                                    |
| Enclosure material                   | Light-alloy diecast, paint finish         |
| Enclosure coating material           | painted                                   |
| Material of the contacts, electrical | Silver                                    |
| Roller material                      | Plastic                                   |
| Gross weight                         | 270 g                                     |

### General data - Features

|                    |   |
|--------------------|---|
| Number of shutters | 2 |
|--------------------|---|

### Mechanical data

|                                            |                                                              |
|--------------------------------------------|--------------------------------------------------------------|
| Actuating element                          | Offset roller lever                                          |
| Mechanical life, minimum                   | 5,000,000 Operations                                         |
| Actuating angle, from left of switch axis  | 45 °                                                         |
| Actuating angle, from right of switch axis | 30 °                                                         |
| Actuating force                            | 13 N                                                         |
| Contact opening                            | 2 x 2.5 mm                                                   |
| Actuating speed, minimum                   | 1 mm/min                                                     |
| Actuating speed, maximum                   | 0.5 m/s                                                      |
| Note (Actuating speed)                     | Actuating speed with vertical actuating angle to switch axis |

### Mechanical data - Connection technique

|                      |                                                                               |
|----------------------|-------------------------------------------------------------------------------|
| Terminal Connector   | Screw connection<br>2.5 mm <sup>2</sup>                                       |
| Note (Cable section) | All indications about the cable section are including the conductor ferrules. |
| Wire cross-section   | 13 AWG                                                                        |

### Mechanical data - Dimensions

|                    |        |
|--------------------|--------|
| Height of sensor   | 113 mm |
| Length of sensor   | 43 mm  |
| Width of sensor    | 67 mm  |
| Width of Castor    | 8.5 mm |
| Diameter of Castor | 20 mm  |

### Ambient conditions

|                              |                       |
|------------------------------|-----------------------|
| Protection class             | IP 65 to IEC/EN 60529 |
| Ambient temperature, minimum | -30 °C                |
| Ambient temperature, maximum | +90 °C                |

### Electrical data

|                            |                            |
|----------------------------|----------------------------|
| Thermal test current       | 10 A                       |
| Utilisation category AC-15 | 400 VAC                    |
| Utilisation category AC-15 | 4 A                        |
| Switching element          | Normally open contact (NO) |
| Note (Switching element)   | with double break          |
| Switching principle        | Creep circuit element      |

## Notes

Note (General)                      Actuation from the right should be avoided, since this reduces the mechanical life of the position switch.

## Ordering code

Product type description:

(1)(2) 015-(3)Y-(4)

(1)

**T** Slow action (not available for AF/S)

**M** Snap action

(2)

**S** Plunger S

**2S** Telescopic plunger 2S

**K** Offset roller lever K

**2K** Tilt lever 2K

**3K** Angle roller lever 3K

**8H** Roller lever 8H

**7H** Roller lever 7H

**10H** Rod lever 10H

**H** Roller lever H

**4H** Spring rod lever on shaft 4H

**2H** Leaf spring lever 2H

**3H** Roller lever 3H

**9H** Rod lever 9H

**6H** Leaf spring lever 6H

(3)

**11** 1 NO contacts/1 NC contact

**02** 2 NC contact

**20** 2 NO contacts

(4)

**UE** Slow action with overlapping contacts

**H** Slow action with staggered contacts

**C** Magnetic blow-out

## Pictures

**Photo/Product/Catalogue**



ID: kt15kf01

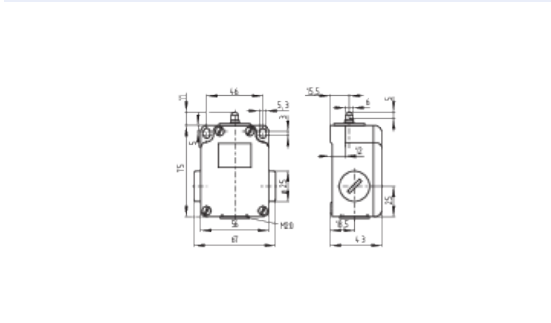
| 621,2 kB | .jpg | 198.614 x 328.436 mm - 563 x 931

Pixel - 72 dpi

| 105,5 kB | .png | 74.083 x 122.414 mm - 210 x 347

Pixel - 72 dpi

**Dimension/Product/Basic**



ID: 1t015g02

| 8,3 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel

- 72 dpi

| 158,3 kB | .jpg | 352.778 x 259.997 mm - 1000 x 737

Pixel - 72 dpi

| 32,1 kB | .cdr |

| Diagramm/Product/Travel | Diagramm | Product | Travel |
|-------------------------|----------|---------|--------|
| Diagramm                | Diagramm |         |        |
| Product                 |          | Product |        |
| Travel                  |          |         | Travel |

ID: kt015s20

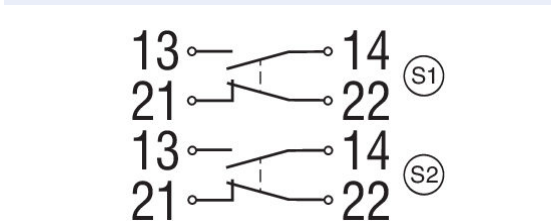
| 873,0 b | .png | 74.083 x 52.564 mm - 210 x 149

Pixel - 72 dpi

| 24,5 kB | .jpg | 352.778 x 124.531 mm - 1000 x 353

Pixel - 72 dpi

**Graphic/Product/Contact**



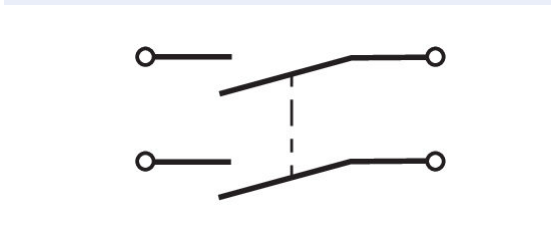
ID: k2o2sk02

| 21,1 kB | .cdr |

| 100,7 kB | .jpg | 352.778 x 212.372 mm - 1000 x 602

Pixel - 72 dpi

**Graphic/Product/Contact**



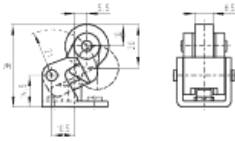
ID: k--2sk02

| 16,8 kB | .cdr |

| 39,4 kB | .jpg | 352.778 x 179.564 mm - 1000 x 509

Pixel - 72 dpi

## Dimension/Product/Actuator



ID: 1t15kb01

| 4,2 kB | .png | 74.083 x 52.211 mm - 210 x 148 Pixel  
- 72 dpi

| 88,2 kB | .jpg | 352.778 x 248.003 mm - 1000 x 703  
Pixel - 72 dpi

## Illustration/Product/Function



ID: 235rz03

| 131,9 kB | .jpg | 352.778 x 773.642 mm - 1000 x  
2193 Pixel - 72 dpi

| 15,5 kB | .cdr |

| 2,7 kB | .png | 74.083 x 162.278 mm - 210 x 460  
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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