

TK 016-12Y

- **3 Contacts**
- **Metal enclosure**
- **3 Cable entry M 20 x 1.5**
- **67 mm x 105 mm x 43 mm (basic component)**
- **Actuator heads can be repositioned by 4 x 90°**

Data

Ordering data	
	TK 016-12Y
	101054875
EAN (European Article Number)	4030661002163
eCl@ss number, Version 9.0	27-27-06-01
Approval - Standards	
	cULus CCC EAC
General data	
Product name	016 offset roller lever K
	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	350 g
General data - Features	
Number of openers	2
Number of shutters	1

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	16 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
	2.5 mm²
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	143 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	NO contact, NC contact
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:

T(1) 016-(2)Y-(3)

(1)

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

(2)

12 1 NO contact/2 NC contacts
21 2 NO contacts/1 NC contact
03 3 NC contact
30 3 NO contacts

(3)

UE Slow action with overlapping contacts
H Slow action with staggered contacts
C Magnetic blow-out

Pictures

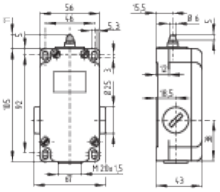
Photo/Product/Catalogue



ID: kts16f03

| 859,6 kB | .jpg | 352.425 x 637.469 mm - 999 x 1807 Pixel - 72 dpi
| 74,7 kB | .png | 74.083 x 133.703 mm - 210 x 379 Pixel - 72 dpi

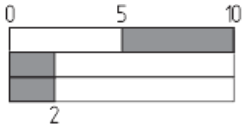
Dimension/Product/Basic



ID: 1t016g01

| 31,6 kB | .cdr |
| 179,1 kB | .jpg | 352.778 x 305.153 mm - 1000 x 865 Pixel - 72 dpi
| 9,1 kB | .png | 74.083 x 51.153 mm - 210 x 145 Pixel - 72 dpi

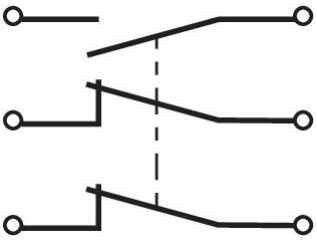
Diagramm/Product/Travel



ID: kt016s11

| 1,1 kB | .png | 74.083 x 27.869 mm - 210 x 79 Pixel - 72 dpi
| 26,1 kB | .jpg | 352.778 x 132.997 mm - 1000 x 377 Pixel - 72 dpi
| 18,7 kB | .cdr |

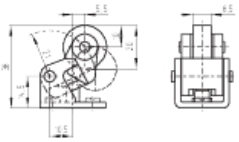
Graphic/Product/Contact



ID: k2o1sk03

| 62,3 kB | .jpg | 352.778 x 266.347 mm - 1000 x 755 Pixel - 72 dpi
| 23,8 kB | .cdr |

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

Illistration/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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