



TK 016-03Y-H-2322

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

Data

Ordering data

Product type description	TK 016-03Y-H-2322
Article number (order number)	131148062
EAN (European Article Number)	8905236104114
eCl@ss number, version 12.0	27-27-06-01
eCl@ss number, version 11.0	27-27-06-01
eCl@ss number, version 9.0	27-27-06-01
ETIM number, version 7.0	EC000030
ETIM number, version 6.0	EC000030

Approvals - Standards

Certificates	cULus CCC
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General data

Standards	EN IEC 60947-5-1
Working principle	mechanical
Slide form	Castor

Housing material	Light-alloy diecast, paint finish
Housing coating material	painted
Gross weight	399 g

General data - Features

Number of normally closed (NC)	3
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Mechanical data

Actuating element	Offset roller lever
Roller material	Plastic
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	19 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

Termination	Screw terminals M20 x 1.5
Cable section, maximum	2.5 mm²
Note	All indications including the conductor ferrules.
Wire cross-section	13 AWG

Mechanical data - Dimensions

Length of sensor	43 mm
Width of sensor	67 mm
Height of sensor	143 mm

Width of Castor	8.5 mm
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Diameter of Castor	20 mm
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Ambient conditions

Degree of protection	IP65
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Ambient temperature	-30 ... +90 °C
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Ambient conditions - Insulation values

Rated insulation voltage U_i	400 V
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Electrical data

Thermal test current	10 A
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Utilisation category AC-15	400 VAC
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Utilisation category AC-15	4 A
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Switching element	Opener (NC)
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Note (Switching element)	with double break
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Switching principle	Slow action with staggered contacts
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Material of the contacts, electrical	Silver
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Note

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

Product type description:
T(1) 016-(2)Y-(3)

(1)

S	Plunger S
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2S	Telescopic plunger 2S
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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

Product picture (catalogue individual photo)



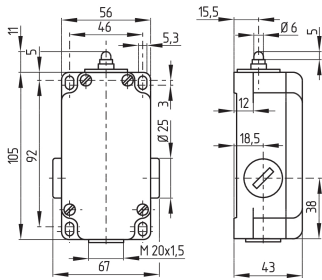
ID: kts16f03

| 855.4 kB | .jpg | 352.425 x 637.469 mm - 999 x 1807 px - 72 dpi

| 96.7 kB | .png | 74.083 x 133.703 mm - 210 x 379 px - 72 dpi

| 92.0 kB | .png | 68.439 x 123.472 mm - 194 x 350 px - 72 dpi

Dimensional drawing basic component



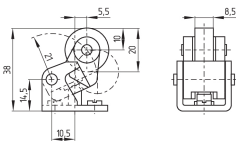
ID: 1t016g01

| 31.6 kB | .cdr |

| 9.1 kB | .png | 74.083 x 51.153 mm - 210 x 145 px - 72 dpi

| 179.1 kB | .jpg | 352.778 x 305.153 mm - 1000 x 865 px - 72 dpi

Dimensional drawing actuator

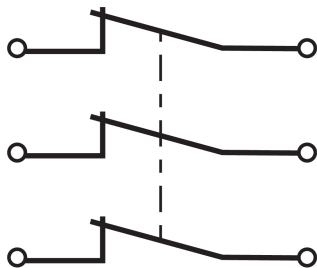


ID: 1t15kb01

| 4.2 kB | .png | 74.083 x 52.211 mm - 210 x 148 px - 72 dpi

| 88.2 kB | .jpg | 352.778 x 248.003 mm - 1000 x 703 px - 72 dpi

Diagram



ID: k3o--k02

| 18.7 kB | .cdr |

| 65.3 kB | .jpg | 352.778 x 292.806 mm - 1000 x 830 px - 72 dpi

| 2.4 kB | .png | 74.083 x 61.383 mm - 210 x 174 px - 72 dpi

Operating principle



ID: 235rz03

| 15.5 kB | .cdr |

| 131.9 kB | .jpg | 352.778 x 773.642 mm - 1000 x 2193 px - 72 dpi

| 2.7 kB | .png | 74.083 x 162.278 mm - 210 x 460 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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