



## UK433Y-M20

- 3 Contacts
- Metal enclosure
- 3 cable entries M 20 x 1.5
- 62 mm x 105 mm x 50 mm ( basic component)
- Actuator heads can be repositioned by 4 x 90°
- Switching points and contact function adjustable

## Data

### Ordering data

Product type description	UK 433Y
Article number (order number)	101168000
EAN (European Article Number)	4030661220079
eCl@ss number, Version 9.0	27-27-06-01

### Certifications

Certificates	EAC
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### General data

Product name	U 433 offset roller lever K
Standards	EN 60947-5-1
Active principle	mechanical
Slide form	Castor
Enclosure material	Light alloy die-casting
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Roller material	Plastic
Gross weight	410.000 g

### General data - Features

Number of openers	3
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### Mechanical data

Actuating element	Offset roller lever
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Mechanical life, minimum	10,000,000 Operations
Actuating angle, from left of switch axis	45 °
Actuating angle, from right of switch axis	30 °
Contact opening	2 x 1.5 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
Cable section, minimum	1.5 mm <sup>2</sup>
Cable section, maximum	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	143 mm
Length of sensor	50 mm
Width of sensor	62 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	-20 °C
Ambient temperature, maximum	+60 °C

#### Electrical data

Thermal test current	16 A
Switching element	Opener (NC)
Switching principle	Creep circuit element

#### Notes

Note (General)	Type of contact and switching points can be factory set to order. 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:

U(1) 433Y-(2)-(3)

(1)

**S** Plunger S  
**K** Offset roller lever K  
**8H** Roller lever 8H  
**H** Roller lever H  
**3H** Roller lever 3H  
**7H** Roller lever 7H  
**4H** Spring rod lever on shaft 4H  
**9H** Rod lever 9H  
**10H** Rod lever 10H  
**2H** Leaf spring lever 2H  
**6H** Leaf spring lever 6H

(2)

**without** 3 NC contact  
**1S/20E** 1 NO contact/2 NC contacts  
**2S/10E** 2 NO contacts/1 NC contact

(3)

**1272** Version for low temperatures to -30 °C

## Pictures

### Product picture (catalogue individual photo)

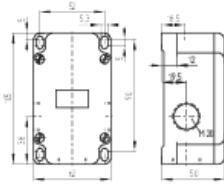


ID: ku43kf03

| 529,7 kB | .jpg | 171.45 x 307.622 mm - 486 x 872  
Pixel - 72 dpi

| 108,7 kB | .png | 74.083 x 132.644 mm - 210 x 376  
Pixel - 72 dpi

### Dimensional drawing basic component



ID: 1u43-g03

| 87,9 kB | .jpg | 352.778 x 248.003 mm - 1000 x 703  
Pixel - 72 dpi

| 28,0 kB | .cdr |

| 4,1 kB | .png | 74.083 x 52.211 mm - 210 x 148 Pixel  
- 72 dpi

## Switch travel diagram

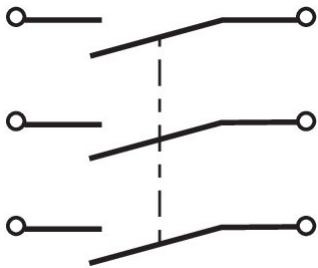
ID: ku43-s02



| 53,5 kB | .jpg | 352.778 x 182.739 mm - 1000 x 518  
Pixel - 72 dpi

| 1,1 kB | .png | 74.083 x 52.564 mm - 210 x 149 Pixel  
- 72 dpi

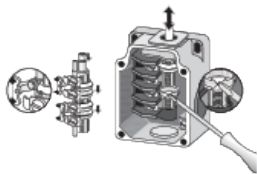
## Diagram



ID: k--3sk02

| 18,4 kB | .cdr |

## Operating principle



ID: ku432a01

| 19,8 kB | .png | 74.083 x 49.742 mm - 210 x 141  
Pixel - 72 dpi

| 203,1 kB | .cdr |

| 157,4 kB | .jpg | 352.778 x 236.361 mm - 1000 x 670  
Pixel - 72 dpi

## Operating principle



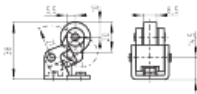
ID: 235rz03

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

| 2,7 kB | .png | 74.083 x 162.278 mm - 210 x 460 Pixel - 72 dpi

| 15,5 kB | .cdr |

## Dimensional drawing actuator



ID: 1u43kb01

| 64,7 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701 Pixel - 72 dpi

| 3,5 kB | .png | 74.083 x 51.858 mm - 210 x 147 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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