

## UVH 431Y



- 1 Contact
- Metal enclosure
- 1 Cable entry M 20 x 1.5
- Lever can be transposed by 180°
- 62 mm x 58 mm x 50 mm ( basic component)
- Continuous adjustment of lever position 360°
- Switching points and contact function adjustable
- Actuator head can be repositioned in steps 4 x 90°

## Data

### Ordering data

|                               |               |
|-------------------------------|---------------|
|                               | UVH 431Y      |
|                               | 101164804     |
| EAN (European Article Number) | 4030661206936 |
| eCl@ss number, Version 9.0    | 27-27-06-01   |

### Approval - Standards

EAC

### General data

|                                      |                         |
|--------------------------------------|-------------------------|
| Product name                         | U 431 roller lever H    |
|                                      | 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                         | 355 g                   |

## General data - Features

Number of openers 1

## Mechanical data

Actuating element Roller lever  
Mechanical life, minimum 10,000,000 Operations  
Actuating angle, from left of switch axis 30 °  
Actuating angle, from right of switch axis 30 °  
Contact opening 2 x 1.5 mm  
Actuating speed, minimum 1 mm/min  
Actuating speed, maximum 3 m/s  
Note (Actuating speed) Actuating speed with vertical actuating angle to switch axis

## Mechanical data - Connection technique

Terminal Connector Screw connection  
1.5 mm<sup>2</sup>  
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 116 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.

## Ordering code

Product type description:

U(1) 431Y-(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** 1 NC contact

**1S** 1 NO contact

(3)

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

## Pictures

### Photo/Product/Catalogue



ID: ku43hf11

| 92,1 kB | .png | 74.083 x 104.775 mm - 210 x 297

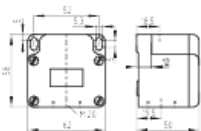
Pixel - 72 dpi

| 604,0 kB | .jpg | 210.608 x 298.45 mm - 597 x 846

Pixel - 72 dpi

### Dimension/Product/Basic

ID: 1u43-g01



| 3,3 kB | .png | 74.083 x 51.858 mm - 210 x 147 Pixel  
- 72 dpi  
| 26,1 kB | .cdr |  
| 64,7 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701  
Pixel - 72 dpi

**Diagramm/Product/Travel**

ID: ku43-s03



| 93,9 kB | .jpg | 352.778 x 182.386 mm - 1000 x 517  
Pixel - 72 dpi  
| 1,2 kB | .png | 74.083 x 52.564 mm - 210 x 149 Pixel  
- 72 dpi

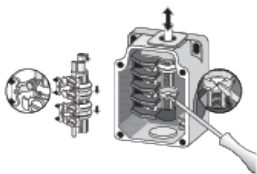
**Graphic/Product/Contact**

ID: k1o1sk03



| 58,0 kB | .jpg | 352.778 x 84.314 mm - 1000 x 239  
Pixel - 72 dpi  
| 27,2 kB | .cdr |

**Illistration/Product/Function**



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

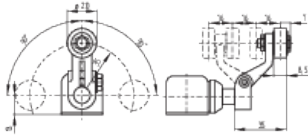
**Illistration/Product/Function**



ID: 235hz05

| 15,2 kB | .cdr |  
| 180,5 kB | .jpg | 352.778 x 749.3 mm - 1000 x 2124  
Pixel - 72 dpi  
| 3,4 kB | .png | 74.083 x 157.339 mm - 210 x 446  
Pixel - 72 dpi

## Dimension/Product/Actuator



ID: 1t15vb01

| 10,3 kB | .png | 74.083 x 51.858 mm - 210 x 147

Pixel - 72 dpi

| 114,5 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701

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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