

UV3H 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

	UV3H 431Y
	101060481
EAN (European Article Number)	4030661044767
eCl@ss number, Version 9.0	27-27-06-01

Approval - Standards

EAC

General data

Product name	U 431 roller lever 3H
	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	400 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 mm²
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 154 mm
Length of sensor 50 mm
Width of sensor 62 mm
Width of Castor 8 mm
Diameter of Castor 36 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: ku43hf13

| 81,4 kB | .png | 74.083 x 137.936 mm - 210 x 391

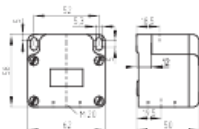
Pixel - 72 dpi

| 451,8 kB | .jpg | 184.15 x 343.606 mm - 522 x 974

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

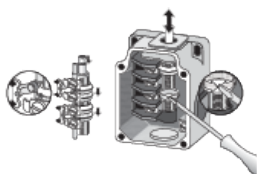
ID: k1o1sk03



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

| 27,2 kB | .cdr |

Illustration/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

Illustration/Product/Function



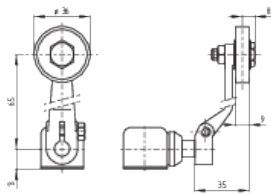
ID: 235hz05

| 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: 1t15vb04

| 9,3 kB | .png | 74.083 x 52.211 mm - 210 x 148 Pixel
- 72 dpi

| 93,3 kB | .jpg | 352.778 x 248.003 mm - 1000 x 703
Pixel - 72 dpi

K.A. Schmersal GmbH & Co. KG, Möddinghofe 3, D-42279 Wuppertal

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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