

Datasheet - UVH 432Y



Position switch / medium heavy Position switch / Universal range U - Metal enclosure / U 432
/ U 432 Roller lever H

☒ Preferred typ



(Minor differences between the printed image and the original product may exist!)

- Metal enclosure
- 2 Contacts
- 62 mm x 80 mm x 50 mm (basic component)
- Switching points and contact function adjustable
- 3 cable entries M 20 x 1.5
- Actuator head can be repositioned in steps 4 x 90°
- Continuous adjustment of lever position 360°
- Lever can be transposed by 180°

Ordering details

Product type description	UVH 432Y
Article number	101161093
EAN code	4030661192178
eCl@ss	27-27-06-01

Approval

Approval



Global Properties

Product name	U 432 Rollenschwenkhebel H
Standards	EN 60947-5-1
Compliance with the Directives (Y/N) 	Yes
Suitable for safety functions (Y/N)	No
Standard housing (Y/N)	No
Materials	
- Material of the housings	light alloy die-casting
- Roller material	Plastic
- Material of the contacts	Silver
Housing coating	painted
Weight	420 g
Slide form	Castor

Mechanical data

Design of electrical connection	Screw connection
Cable section	
- Min. Cable section	1.5 mm ²
- Max. Cable section	2.5 mm ²
AWG-Number	13
Active principle	mechanical
Mechanical life	10.000.000 operations
Contact life	2.000.000 operations, at 6 A / 400 V, cos φ = 0,4
notice	All indications about the cable section are including the conductor ferrules.
Design of actuating element	Roller lever
Contact opening	2 x 1.5 mm
Actuating speed with vertical actuating angle to switch axis	
- Min. Actuating speed	1 mm/min
- Max. Actuating speed	3 m/s
- Actuating angle from left of switch axis	30°
- Actuating angle from right of switch axis	30°

Ambient conditions

Ambient temperature	
- Min. environmental temperature	-20 °C
- Max. environmental temperature	+60 °C
Protection class	IP65 to IEC/EN 60529

Electrical data

Design of control element	Opener (NC)
Switching principle	Creep circuit element
Number of shutters	0 piece
Number of openers	2 piece
Rated insulation voltage U _i	500 V
Thermal test current I _{the}	16 A
Max. fuse rating	16 A gG D-fuse

Dimensions

Dimensions of the sensor	
- Width of sensor	62 mm
- Height of sensor	138 mm
- Length of sensor	50 mm
Roller wide	8.5 mm
Roller diameter	20 mm

notice

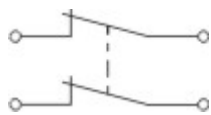
Type of contact and switching points can be factory set to order.

Indication legend

see drawing: Operating principle

Contact function, i. e. NC or NO contact, and switching points can be adjusted using a screwdriver

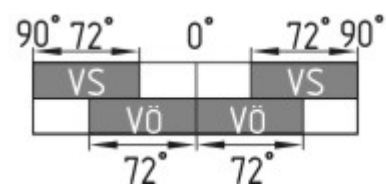
Diagram



Note Diagram

- positive break NC contact
- active
- no active
- Normally-open contact
- Normally-closed contact

Switch travel diagram



Notes Switch travel diagram

- Contact closed
- Contact open
- Setting range
- Break point
- Positive opening sequence/- angle
- VS** adjustable range of NO contact
- VÖ** adjustable range of NC contact
- N** after travel

Ordering suffix

The applicable ordering suffix is added at the end of the part number of the safety switch.
Order example: UVH 432Y- **1272**

....- 1272	Version for low temperatures to -30°C
....- RMS	Available with metal roller
....- 1164	Splined shaft and lever available with 10° toothing

Ordering code

U(1) 432Y-(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)	
<i>without</i>	2 Opener (NC)
2S	2 Normally open contact (NO)
1S/10E	1 Normally open contact (NO) / 1 Opener (NC)
(3)	
1272	Version for low temperatures to -30°C

Documents

Operating instructions and Declaration of conformity (cn) 138 kB, 29.05.2017

Code: mrl_posi-allgemein_cn

Operating instructions and Declaration of conformity (it) 86 kB, 09.03.2016

Code: mrl_posi-allgemein_it

Operating instructions and Declaration of conformity (fr) 85 kB, 20.07.2016

Code: mrl_posi-allgemein_fr

Operating instructions and Declaration of conformity (de) 88 kB, 18.02.2016

Code: mrl_posi-allgemein_de

Operating instructions and Declaration of conformity (pt) 86 kB, 27.03.2017

Code: mrl_posi-allgemein_pt

Operating instructions and Declaration of conformity (ru) 133 kB, 23.12.2015

Code: mrl_posi-allgemein_ru

Operating instructions and Declaration of conformity (en) 86 kB, 23.12.2015

Code: mrl_posi-allgemein_en

Operating instructions and Declaration of conformity (pl) 118 kB, 01.04.2016

Code: mrl_posi-allgemein_pl

Operating instructions and Declaration of conformity (es) 88 kB, 09.03.2016

Code: mrl_posi-allgemein_es

Mounting and wiring instructions (de, en, fr) 209 kB, 17.03.2008

Code: m_43sp01

Declaration of conformity (en) 96 kB, 23.05.2013

Code: konfi_mrl_u43_en

Declaration of conformity (de) 98 kB, 23.05.2013

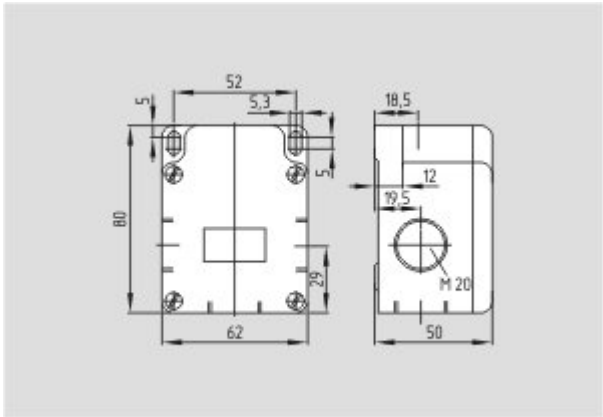
Code: konfi_mrl_u43_de

EAC certification (ru) 388 kB, 20.01.2016

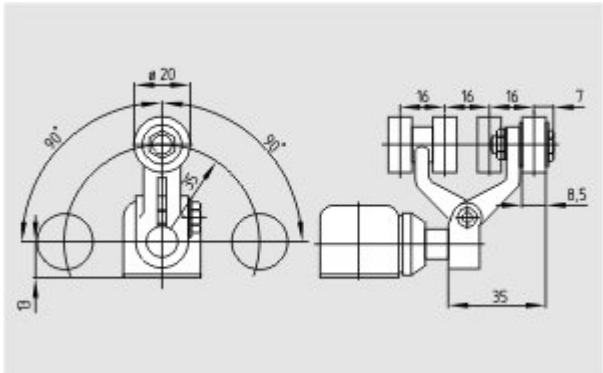
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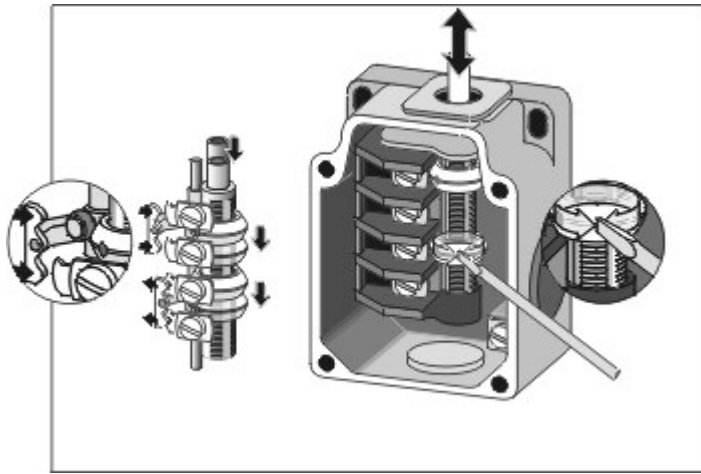
Product photo



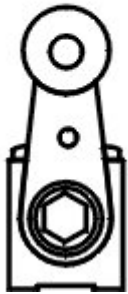
Dimensional drawing (basic component)



Dimensional drawing (miscellaneous)



Operating principle



Operating principle

K.A. Schmersal GmbH & Co. KG, Möddinghofe 30, D-42279 Wuppertal

The data and values have been checked thoroughly. Technical modifications and errors excepted.

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