

US 433Y-3S

- **3 Contacts**
- **Metal enclosure**
- **3 cable entries M 20 x 1.5**
- **62 mm x 105 mm x 50 mm (basic component)**
- **Switching points and contact function adjustable**

Data

Ordering data	
	US 433Y-3S
	101084450
EAN (European Article Number)	4030661418247
eCl@ss number, Version 9.0	27-27-06-01
Approval - Standards	
	EAC
General data	
Product name	U 433 plunger S
	EN 60947-5-1
Active principle	mechanical
Slide form	Sphere
Enclosure material	Light alloy die-casting
Enclosure coating material	painted
Material of the contacts, electrical	Silver
General data - Features	
Number of shutters	3
Mechanical data	
Actuating element	Plunger
Mechanical life, minimum	10,000,000 Operations

Actuating angle	20 °
Contact opening	2 x 1.5 mm
Actuating speed, minimum	1 mm/min
Actuating speed, maximum	1 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	116 mm
Length of sensor	50 mm
Width of sensor	62 mm
Diameter of the Plunger	6 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	NO contact, NC contact
Switching principle	Creep circuit element
Notes	
Note (General)	Type of contact and switching points can be factory set to order. Actuation from the side of the plunger should be avoided, since this reduces the mechanical life of the position switch.
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

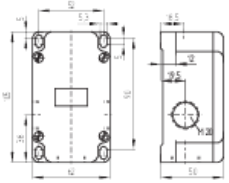
1S/2OE 1 NO contact/2 NC contacts

2S/1OE 2 NO contacts/1 NC contact

(3)

1272 Version for low temperatures to -30 °C

Pictures

Photo/Product/Catalogue	
	ID: ku43sf03 | 98,1 kB | .png | 73.731 x 118.181 mm - 209 x 335 Pixel - 72 dpi | 1,0 MB | .jpg | 244.122 x 390.525 mm - 692 x 1107 Pixel - 72 dpi
Dimension/Product/Basic	
	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

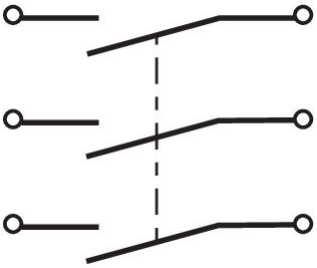
Diagramm/Product/Travel



ID: ku43-s01

| 1,3 kB | .png | 74.083 x 52.564 mm - 210 x 149 Pixel - 72 dpi
| 70,3 kB | .jpg | 352.778 x 224.014 mm - 1000 x 635 Pixel - 72 dpi

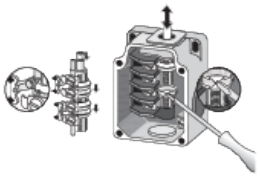
Graphic/Product/Contact



ID: k--3sk02

| 18,4 kB | .cdr |
| 63,5 kB | .jpg | 352.778 x 299.508 mm - 1000 x 849 Pixel - 72 dpi

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



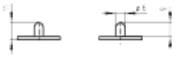
ID: 235sz01

| 14,1 kB | .cdr |
| 1,8 kB | .png | 74.083 x 251.883 mm - 210 x 714 Pixel - 72 dpi
| 95,3 kB | .jpg | 352.778 x 1199.444 mm - 1000 x 3400 Pixel - 72 dpi



Dimension/Product/Actuator

ID: 1u43sb01



| 22,5 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701 Pixel - 72 dpi
| 1,4 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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