



US 433Y

- 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

101055008

EAN (European Article Number) 4030661002941

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
Gross weight	372 g

General data - Features

Number of openers	3
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Mechanical data

Actuating element	Plunger
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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 mm ² 2.5 mm ²
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	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 side of the plunger 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)

6H Leaf spring lever 6H

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

1272 Version for low temperatures to -30 °C

- 72 dpi

Diagramm/Product/Travel

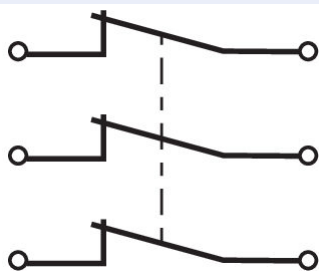
ID: ku43-s01



| 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

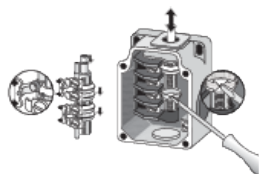


ID: k3o--k02

| 65,3 kB | .jpg | 352.778 x 292.806 mm - 1000 x 830 Pixel - 72 dpi

| 18,7 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: 235sz01

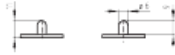
| 14,1 kB | .cdr |

| 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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