



US 434Y-4S

- 4 Contacts
- Metal enclosure
- 3 cable entries M 20 x 1.5
- 62 mm x 127 mm x 50 mm (basic component)
- Switching points and contact function adjustable

Data

Ordering data

	US 434Y-4S
	101093276
eCl@ss number, Version 9.0	27-27-06-01

General data

Product name	U 434 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	440 g

General data - Features

Number of shutters	4
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Safety appraisal - Safety outputs

B10d Normally-closed contact (NC)	2,000,000 Operations
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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	138 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	Normally open contact (NO)
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) 434Y-(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 2 NO contacts/2 NC contact

40E 4 NC contact

4S 4 NO contacts

1S/30E 1 NO contacts/3 NC contact

3S/10E 3 NO contacts/1 NC contact

(3)

1272 Version for low temperatures to -30 °C

Pictures

Photo/Product/Catalogue



ID: ku43sf04

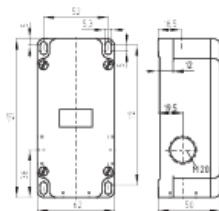
| 65,9 kB | .png | 74.083 x 120.297 mm - 210 x 341

Pixel - 72 dpi

| 978,8 kB | .jpg | 352.425 x 573.617 mm - 999 x 1626

Pixel - 72 dpi

Dimension/Product/Basic



ID: 1u43-g04

| 4,2 kB | .png | 74.083 x 52.211 mm - 210 x 148 Pixel
- 72 dpi

| 91,2 kB | .jpg | 352.778 x 248.003 mm - 1000 x 703

Pixel - 72 dpi

| 27,6 kB | .cdr |

Diagramm/Product/Travel

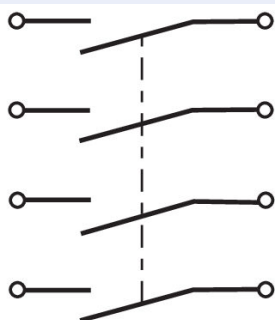
ID: ku43-s01



| 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

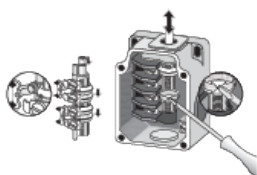


ID: k--4sk02

| 19,1 kB | .cdr |

| 84,9 kB | .jpg | 352.425 x 412.397 mm - 999 x 1169
Pixel - 72 dpi

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 |

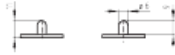
| 1,8 kB | .png | 74.083 x 251.883 mm - 210 x 714
Pixel - 72 dpi

| 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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