



US434Y-M20

- 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

| | |
|-------------------------------|---------------|
| Product type description | US 434Y |
| Article number (order number) | 101176035 |
| EAN (European Article Number) | 4030661306339 |
| eCl@ss number, Version 9.0 | 27-27-06-01 |

Certifications

| | |
|--------------|-----|
| Certificates | EAC |
|--------------|-----|

General data

| | |
|--------------------------------------|-------------------------|
| Product name | U 434 plunger S |
| Standards | 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 | 435.000 g |

General data - Features

| | |
|--------------------|---|
| Number of openers | 2 |
| Number of shutters | 2 |

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 |
| Cable section, minimum | 1.5 mm ² |
| Cable section, maximum | 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 | NC contact NO 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) 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
4OE 4 NC contact
4S 4 NO contacts
1S/3OE 1 NO contacts/3 NC contact
3S/1OE 3 NO contacts/1 NC contact

(3)

1272 Version for low temperatures to -30 °C

Pictures

Product picture (catalogue individual photo)



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

Dimensional drawing basic component



ID: 235sz01

| 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

| 14,1 kB | .cdr |



Dimensional drawing 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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