



M2S 441-11Y

- 2 Contacts
- Metal enclosure
- Protection class IP65
- With large after-travel
- 2 cable entries M 20 x 1.5
- 106 mm x 99 mm x 63 mm (basic component)
- Actuator head with captive stainless steel ball

Data

Ordering data

M2S 441-11Y

101058560

EAN (European Article Number) 4030661032856

eCl@ss number, Version 9.0 27-27-06-01

Approval - Standards

CCC

EAC

General data

Product name	441 telescopic plunger 2S
	EN 60947-5-1
Active principle	mechanical
Slide form	Sphere
Enclosure material	Grey cast iron, galvanised
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Gross weight	1,310 g

General data - Features

Number of openers	1
Number of shutters	1

Safety appraisal - Safety outputs

B10d Normally-closed contact (NC) 2,000,000 Operations

Mechanical data

Actuating element	Plunger
Mechanical life, minimum	5,000,000 Operations
Actuating angle	20 °
Contact opening	2 x 2.5 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	161 mm
Length of sensor	63 mm
Width of sensor	106 mm
Diameter of the Plunger	10 mm

Ambient conditions

Protection class	IP 65 to IEC/EN 60529
Ambient temperature, minimum	-30 °C
Ambient temperature, maximum	+90 °C

Ambient conditions - Insulation value

Rated impulse withstand voltage	4 kV
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Electrical data

Thermal test current	16 A
Utilisation category AC-15	250 VAC
Utilisation category AC-15	4 A

Switching element	NO contact, NC contact
Note (Switching element)	galvanically separated contact bridges
Switching principle	Snap switch element
Bounce duration, maximum	5 ms
Switchover time, maximum	35 ms

Notes

Note (General)	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:

(1)(2) 441-11Y(3)-(4)-(5)

(1)

T Slow action (not available for AF/S)

M Snap action

(2)

S Plunger S

2S Telescopic plunger 2S

R Roller plunger R

K Offset roller lever K

J Offset roller lever J

2C Fork lever 2C

L Roller lever L

D Roller lever D

MAF/S Level switch AF/S

(3)

UE Slow action with overlapping contacts

(4)

without Cast iron enclosure

A Aluminium enclosure

(5)

T temperature-resistant and tropical version with ceramic insulation for -40 °C ... +200 °C

1276-2 Gold-plated contacts

Pictures

Photo/Product/Catalogue



ID: kt441f03

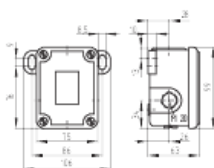
| 59,9 kB | .png | 74.083 x 108.303 mm - 210 x 307

Pixel - 72 dpi

| 616,7 kB | .jpg | 241.3 x 353.483 mm - 684 x 1002

Pixel - 72 dpi

Dimension/Product/Basic



ID: 1t441g01

| 3,9 kB | .png | 74.083 x 51.858 mm - 210 x 147 Pixel
- 72 dpi

| 29,6 kB | .cdr |

| 86,4 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701

Pixel - 72 dpi

Diagramm/Product/Travel



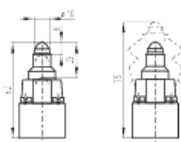
ID: kt441s08

| 1,1 kB | .png | 74.083 x 52.564 mm - 210 x 149 Pixel
- 72 dpi

| 50,5 kB | .jpg | 352.778 x 261.056 mm - 1000 x 740

Pixel - 72 dpi

Dimension/Product/Actuator



ID: 1t422b02

| 59,9 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701

Pixel - 72 dpi

| 3,1 kB | .png | 74.083 x 51.858 mm - 210 x 147 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



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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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