



MS 441-11Y

- 2 Contacts
- Metal enclosure
- Protection class IP65
- 2 cable entries M 20 x 1.5
- 106 mm x 99 mm x 63 mm (basic component)

Data

Ordering data

	MS 441-11Y
	101058389
eCl@ss number, Version 9.0	27-27-06-01

General data

Product name	441 plunger S
	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	1,290 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
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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	125 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.

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



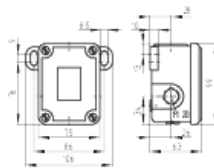
ID: kt441f01

| 654,8 kB | .jpg | 352.778 x 425.803 mm - 1000 x 1207 Pixel - 72 dpi

| 52,6 kB | .png | 74.083 x 89.253 mm - 210 x 253 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: kt441s07



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

| 51,7 kB | .jpg | 352.778 x 264.231 mm - 1000 x 749 Pixel - 72 dpi

Dimension/Product/Actuator

ID: 1t422b01



| 33,5 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701 Pixel - 72 dpi

| 2,2 kB | .png | 74.083 x 51.858 mm - 210 x 147 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



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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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