



MJ441-11Y-M20

- 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)
- Actuator heads can be repositioned by 4 x 90°

Data

Ordering data

Product type description	MJ 441-11Y
Article number (order number)	101059115
EAN (European Article Number)	4030661034829
eCl@ss number, Version 9.0	27-27-06-01

Certifications

Certificates	CCC
	EAC
	DNV GL

General data

Product name	441 offset roller lever J
Standards	EN 60947-5-1
Active principle	mechanical
Slide form	Castor
Enclosure material	Grey cast iron, galvanised
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Roller material	Plastic
Gross weight	1575.000 g

General data - Features

Number of openers	1
Number of shutters	1

Mechanical data

Actuating element	Offset roller lever
Mechanical life, minimum	5,000,000 Operations
Actuating angle, from left of switch axis	45 °
Actuating angle, from right of switch axis	30 °
Contact opening	2 x 2.5 mm
Actuating speed, minimum	1 mm/min
Actuating speed, maximum	0.5 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	179 mm
Length of sensor	63 mm
Width of sensor	106 mm
Width of Castor	9 mm
Diameter of Castor	36 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 right 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
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

(3)

UE	Slow action with overlapping contacts
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(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

Product picture (catalogue individual photo)



ID: kt441f06

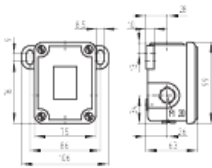
| 878,0 kB | .jpg | 228.6 x 384.175 mm - 648 x 1089

Pixel - 72 dpi

| 93,8 kB | .png | 73.731 x 124.178 mm - 209 x 352

Pixel - 72 dpi

Dimensional drawing basic component



ID: 1t441g01

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

Pixel - 72 dpi

| 29,6 kB | .cdr |

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

- 72 dpi

Switch travel diagram

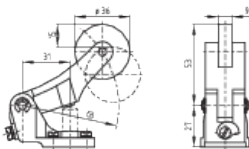


ID: kt441s10

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

- 72 dpi

Dimensional drawing actuator



ID: 1t422b05

| 100,7 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701

Pixel - 72 dpi

| 10,4 kB | .png | 74.083 x 51.858 mm - 210 x 147

Pixel - 72 dpi

Operating principle



ID: 235rz03



| 131,9 kB | .jpg | 352.778 x 773.642 mm - 1000 x 2193 Pixel - 72 dpi

| 2,7 kB | .png | 74.083 x 162.278 mm - 210 x 460 Pixel - 72 dpi

| 15,5 kB | .cdr |

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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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