

ML441-11Y-M20



- 2 Contacts
- Metal enclosure
- Protection class IP65
- 2 cable entries M 20 x 1.5
- Lever can be transposed by 180°
- 106 mm x 99 mm x 63 mm (basic component)
- Continuous adjustment of lever position 360°
- Actuator head can be repositioned in steps 4 x 90°
- In temperature-resistant version, the roller can be mounted in two different positions on the shaft

Data

Ordering data

Product type description	ML 441-11Y
Article number (order number)	101170496
EAN (European Article Number)	4030661297781
eCl@ss number, Version 9.0	27-27-06-01

Certifications

Certificates	CCC
	EAC
	DNV GL

General data

Product name	441 roller lever L
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
Weight	1,655 g

General data - Features

Number of openers	1
Number of shutters	1

Mechanical data

Actuating element	Roller lever
Mechanical life, minimum	5,000,000 Operations
Actuating angle, from left of switch axis	30 °
Actuating angle, from right of switch axis	30 °
Contact opening	2 x 2.5 mm
Actuating speed, minimum	1 mm/min
Actuating speed, maximum	3 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	192 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

Pictures

Product picture (catalogue individual photo)



ID: kt441f08

| 3,2 kB | .jpg | 35.278 x 35.278 mm - 100 x 100 Pixel - 72 dpi

| 530,6 kB | .jpg | 215.547 x 344.664 mm - 611 x 977 Pixel - 72 dpi

| 77,2 kB | .png | 74.083 x 118.181 mm - 210 x 335 Pixel - 72 dpi

| 136,2 kB | .jpg | 26.649 x 42.555 mm - 320 x 511 Pixel - 305 dpi

Dimensional drawing basic component

ID: 1t441g01

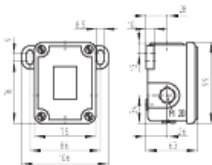
| 86,4 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701 Pixel - 72 dpi

| 2,4 kB | .jpg | 35.278 x 35.278 mm - 100 x 100 Pixel - 72 dpi

| 29,6 kB | .cdr |

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

| 22,2 kB | .jpg | 112.889 x 79.022 mm - 320 x 224 Pixel - 72 dpi



Switch travel diagram

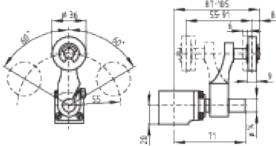
ID: kt441s12



| 1,3 kB | .png | 74.083 x 52.564 mm - 210 x 149 Pixel
- 72 dpi

| 23,6 kB | .jpg | 112.889 x 83.256 mm - 320 x 236
Pixel - 72 dpi

Dimensional drawing actuator



ID: 1t422b07

| 9,8 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel
- 72 dpi

| 113,5 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695
Pixel - 72 dpi

Operating principle



ID: 235hz05

| 15,2 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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