

ML 441-11Y



- 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

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

Approval - Standards

CCC
EAC

General data

Product name	441 roller lever L
	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	1,655 g
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General data - Features

Number of openers	1
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Number of shutters	1
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Safety appraisal - Safety outputs

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

Actuating element	Roller lever
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Mechanical life, minimum	5,000,000 Operations
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Actuating angle, from left of switch axis	30 °
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Actuating angle, from right of switch axis	30 °
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Contact opening	2 x 2.5 mm
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Actuating speed, minimum	1 mm/min
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Actuating speed, maximum	3 m/s
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Note (Actuating speed)	Actuating speed with vertical actuating angle to switch axis
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Mechanical data - Connection technique

Terminal Connector	Screw connection
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	1.5 mm ²
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	2.5 mm ²
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Note (Cable section)	All indications about the cable section are including the conductor ferrules.
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Wire cross-section	13 AWG
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Mechanical data - Dimensions

Height of sensor	192 mm
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Length of sensor	63 mm
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Width of sensor	106 mm
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Width of Castor	9 mm
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Diameter of Castor	36 mm
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Ambient conditions

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

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

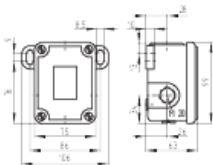


ID: kt441f08

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

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

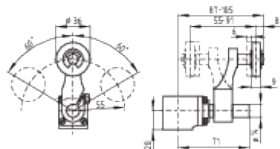


ID: kt441s12

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

| 78,0 kB | .jpg | 352.778 x 260.703 mm - 1000 x 739 Pixel - 72 dpi

Dimension/Product/Actuator



ID: 1t422b07

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

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

Illistration/Product/Function



ID: 235hz05



| 15,2 kB | .cdr |

| 180,5 kB | .jpg | 352.778 x 749.3 mm - 1000 x 2124

Pixel - 72 dpi

| 3,4 kB | .png | 74.083 x 157.339 mm - 210 x 446

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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