



MA 471-21/21Y

- Metal enclosure
- 4 or 6 Contacts
- 3 cable entries M 25 x 1.5
- 194 mm x 123 mm x 130 mm (basic component)
- Continuous adjustment of lever position 360°

Data

Ordering data

	MA 471-21/21Y
	101061182
EAN (European Article Number)	4030661059495
eCl@ss number, Version 9.0	27-27-06-01

Approval - Standards

cULus
CCC
EAC

General data

Product name	471 roller lever A
	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	5,135 g

General data - Features

Number of NC, left	1
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Number of NC, right	1
Number of NO, left	2
Number of NO, right	2

Safety appraisal - Safety outputs

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

Actuating element	Roller lever
Mechanical life, minimum	30,000 Operations
Actuating angle, from left of switch axis	30 °
Actuating angle, from right of switch axis	30 °
Contact opening	2 x 4 mm
Actuation direction	each time 60° right-hand side and left-hand side rotation
Actuating speed, minimum	0.1 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 1.5 mm ² 4 mm ²
Note (Cable section)	All indications about the cable section are including the conductor ferrules.
Wire cross-section	11 AWG

Mechanical data - Dimensions

Height of sensor	143 mm
Length of sensor	190 mm
Width of sensor	194 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	6 kV
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Electrical data

Thermal test current	25 A
Utilisation category AC-15	230 VAC
Utilisation category AC-15	10 A
Switching element	NO contact / NC contact
Note (Switching element)	galvanically separated contact bridges
Switching principle	Snap switch element
Switching frequency	1,000 /h

Pictures

Photo/Product/Catalogue



ID: ktm-af01

| 44,3 kB | .png | 74.083 x 128.058 mm - 210 x 363
Pixel - 72 dpi
| 463,2 kB | .jpg | 352.778 x 609.953 mm - 1000 x
1729 Pixel - 72 dpi

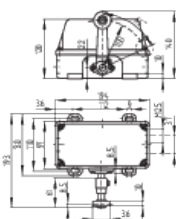
Photo/Product/Catalogue



ID: kt-47f02

| 23,3 kB | .png | 74.083 x 65.969 mm - 210 x 187
Pixel - 72 dpi
| 278,1 kB | .jpg | 352.778 x 313.619 mm - 1000 x 889
Pixel - 72 dpi

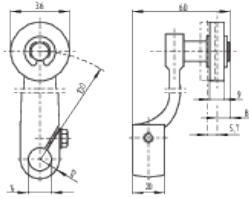
Dimension/Product/Basic



ID: 1t-47g02

| 10,6 kB | .png | 74.083 x 51.506 mm - 210 x 146
Pixel - 72 dpi
| 118,6 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697
Pixel - 72 dpi
| 41,3 kB | .cdr |

Dimension/Product/Actuator



ID: 1tm-ab01

| 9,9 kB | .png | 74.083 x 51.153 mm - 210 x 145 Pixel
- 72 dpi

| 104,6 kB | .jpg | 352.778 x 244.475 mm - 1000 x 693
Pixel - 72 dpi

Illustration/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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