



## MA 471-03/03Y

- 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 471-03/03Y |
|                               | 101061213     |
| EAN (European Article Number) | 4030661059693 |
| 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                         | 5,155 g                    |

#### General data - Features

|                    |   |
|--------------------|---|
| Number of NC, left | 3 |
|--------------------|---|

|                     |   |
|---------------------|---|
| Number of NC, right | 3 |
|---------------------|---|

#### **Safety appraisal - Safety outputs**

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

#### **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<br>1.5 mm <sup>2</sup><br>4 mm <sup>2</sup>                  |
| 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 |
|---------------------------------|------|

#### **Electrical data**

|                      |      |
|----------------------|------|
| Thermal test current | 25 A |
|----------------------|------|

|                            |                                        |
|----------------------------|----------------------------------------|
| Utilisation category AC-15 | 230 VAC                                |
| Utilisation category AC-15 | 10 A                                   |
| Switching element          | Opener (NC)                            |
| 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

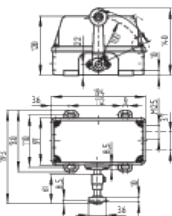


ID: kt-47f02

| 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



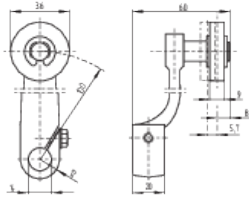
ID: 1t-47g02

| 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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