

## MA 471-12/12Y

- **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 471-12/12Y |
| | 101061198 |
| EAN (European Article Number) | 4030661059556 |
| eCl@ss number, Version 9.0 | 27-27-06-01 |
| **Approval - Standards** | |
| | cULus<br>CCC<br>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 | 5,195 g |
| **General data - Features** | |
| Number of NC, left | 2 |

| | |
|---|---|
| Number of NC, right | 2 |
| Number of NO, left | 1 |
| Number of NO, right | 1 |
| **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 |
| | 1.5 mm² |
| | 4 mm² |
| 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 | 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

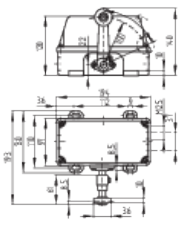
### Photo/Product/Catalogue



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

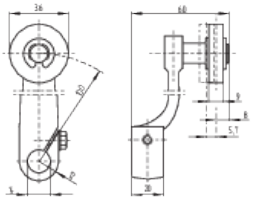
### Dimension/Product/Basic



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

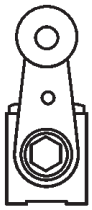


ID: 1tm-ab01

| 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

**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

K.A. Schmersal GmbH & Co. KG, Möddinghofe 3, D-42279 Wuppertal
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.
Generated on 512021-01-31T16:15:51+01:000401Europe/BerlinSun, 31 Jan 2021 16:15:51 +010051pmSunday.31pm31Europe/BerlinCET1501Europe/BerlinJanuary2021Sun, 31 Jan 2021 16:15:51 +010001pm31