

## RACON 12, SMD gullwing (Z) terminals

### 1.14.001.503/0000

For keycaps, refer to RK 90.



#### Dimensions

|                   |                         |
|-------------------|-------------------------|
| Overall height    | 4,95 <sup>+0,1</sup> mm |
| Width of housing  | 12 mm                   |
| Length of housing | 12 mm                   |

#### Electrical characteristics

|                                  |                   |
|----------------------------------|-------------------|
| Contact resistance when new max. | 100 mΩ            |
| Insulation resistance            | 10 <sup>9</sup> Ω |
| Bouncing time max.               | 5 ms              |
| Rated power max. (ohmic load)    | 1 W               |
| Rated voltage max.               | 42 V              |
| Rated voltage min.               | 0.02 V            |
| Rated current max.               | 100 mA            |
| Rated current min.               | 0.01 mA           |

#### Mechanical characteristics

|                  |                         |
|------------------|-------------------------|
| Operating force  | 3.6 <sup>+0.7</sup> N   |
| Switching travel | 0.61 <sup>+0.1</sup> mm |

#### Mechanical design

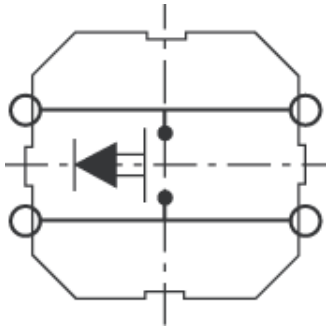
|                     |                            |
|---------------------|----------------------------|
| Terminals           | SMD Gullwing (Z) terminals |
| Mounting            | soldering                  |
| Illumination        | no                         |
| Contact arrangement | 1 NO                       |
| Contact system      | snap-action contact        |
| Contact materials   | Au                         |

#### Other specifications

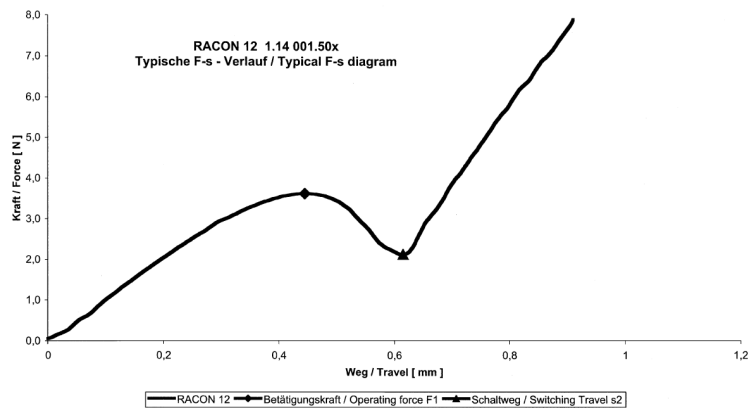
|                                                                             |                                              |
|-----------------------------------------------------------------------------|----------------------------------------------|
| Ambient temp. operating max.                                                | +80 °C                                       |
| Ambient temp. operating min.                                                | -40 °C                                       |
| Flammability of materials                                                   | UL 94 HB                                     |
| Resistance to constant environment                                          | according to IEC 600 68-2-3 and 2-30         |
| Operating life at R <sub>T</sub> = 23° C and test force = 1,5 x rated force | 1000000                                      |
| Solderability / solder heat resistance PCB version                          | ---                                          |
| Solderability / solder heat resistance SMD version                          | according to EN 61760-1, DIN IEC 600-68-2-58 |
| Produkt code                                                                | C1                                           |
| Packing                                                                     | tape and reel à 750 piece                    |
| Resistance at variable environment                                          | according to IEC 600 68-2-14 and 2-33        |

11.08.2009

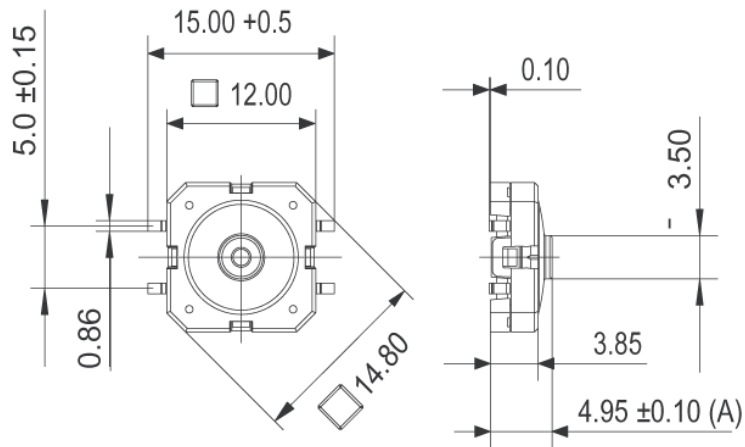
## Circuit diagram



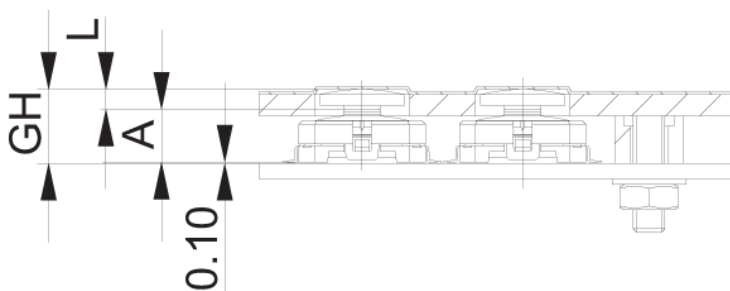
## Schaltw



## MASS



## System drawing 1



PCB

