

## MICON 5, THT standard, 5,5 N, 1 NO



### fields of application

- › Measurement-control-regulation
- › Mechanical and system engineering
- › Automotive
- › Electro-medical

### special features

- › Gold contacts, reliable switching with low currents
- › Special tactile feedback
- › High packing density due to small form factor (5.1 x 6.4 mm)
- › Different operating forces
- › Ring and full illumination of the button surface due to plunger
- › Variable overall heights due to plunger
- › Terminal technology: SMT
- › Traceability through product identification in accordance with DIN EN ISO 9001



### description

MICON 5 tactile switches offer extreme switching reliability, with a very small space requirement. They can be arranged individually, in rows or as key blocks. For use beneath overlays, we recommend combining the MICON 5 key switches with plungers. Here are the properties at a glance:

- › Suitable for the most important soldering techniques
- › Soldering bath for THT versions
- › Reflow soldering for SMT versions
- › Vapor phase soldering for SMT versions
- › Manual soldering
- › Processing of the SMT design with SMT automatic assembly machines
- › IMDS entry

MICON 5, THT Standard, für Tastenkappen aus dem Zubehörprogramm geeignet Verpackung: in Schienen mit je 102 Stück

### technical data

#### › general

|                             |               |
|-----------------------------|---------------|
| Operating temperature, min. | -40 °C        |
| Storage temperature, min.   | -40 °C        |
| Operating temperature, max. | 90 °C         |
| Storage temperature, max.   | 90 °C         |
| illuminated                 | No            |
| Soldering                   | Manual / wave |

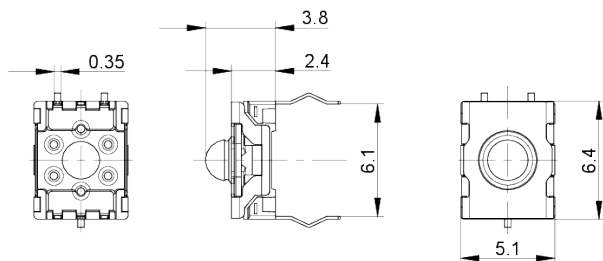
#### direct links

- › [RAFI eCatalog](#)

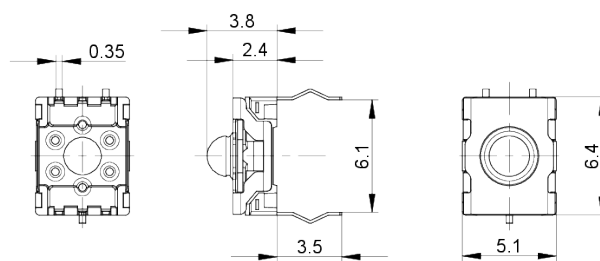
|  |   |
|--|---|
| Solder heat resistance according to standard               | DIN EN 60068-2-20                       |
| Packaging  | Tube                                    |
| Packaging unit   | 102 pcs.                                |
| net weight   | 0.1 g                                   |
| Operating life   | 1,000,000 cycles                        |
| B10  | 1,300,000 cycles                        |
| Shock resistance according to standard IEC 60068-2-27      | 100 g at 6 ms amplitude semi-sinusoidal |
| oscillation resistance according to standard IEC 60068-2-6 | 5 g at 10...500 Hz                      |
| MOQ order  | 510 pcs.                                |
| RoHS compliant   | Yes                                     |
| REACH compliant  | Yes                                     |
| Component material   | Silicon                                 |
| <b>&gt; mounting diameters</b>                             |   |
| Installation height  | 3.85 mm                                 |
| Grid, min.   | 6 x 7,8 mm                              |
| Outside dimension, length                                  | 6.4 mm                                  |
| Outside dimension, width                                   | 5.1 mm                                  |
| Outside dimension, height                                  | 3.85 mm                                 |
| <b>&gt; mechanical data</b>                                |   |
| Actuation function   | momentary contact function              |
| Operating force, max.                                      | 8 N                                     |
| Operating force, min.                                      | 5,5 N                                   |
| Switching travel   | 0.9 mm                                  |
| Contact function   | 1 NO                                    |
| Contact system   | Snap-action contact                     |
| Contact material   | Gold                                    |
| Terminal on the rear                                       | THT                                     |
| Solderability  | Yes                                     |
| <b>&gt; electrical data</b>                                |   |
| Rated voltage, min.  | 0.02 V                                  |
| Rated voltage, max.  | 35 V                                    |
| Dielectric strength  | 250 V                                   |
| Rated current, min.  | 0.00001 A                               |
| Rated current, max.  | 0.1 A                                   |
| Rated power, max.  | 1 W                                     |

drawings

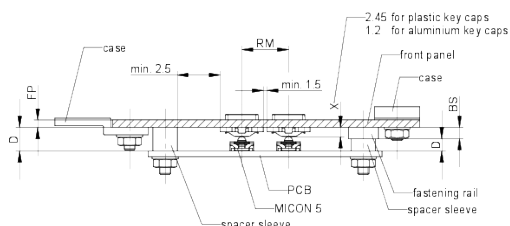
Dimensioned drawing



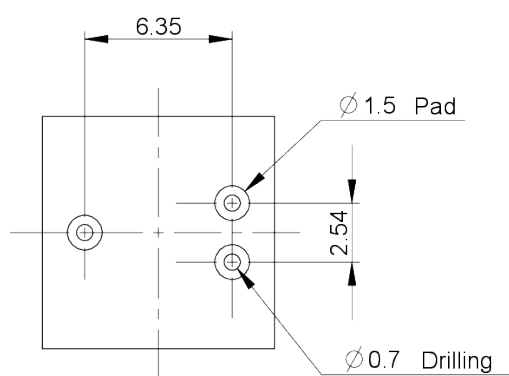
Dimensioned drawing



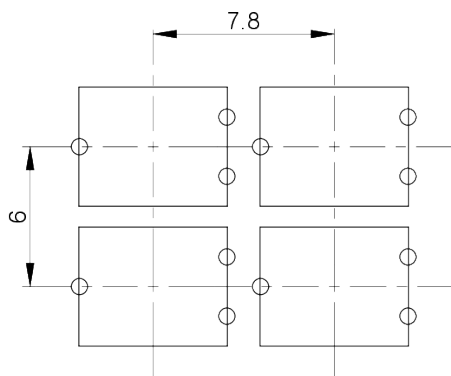
System drawing



PCB drawing

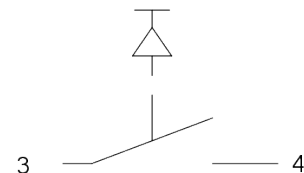
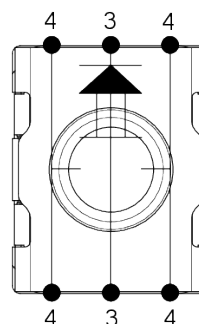


PCB drawing



MICON 5 THT

Schematic diagram



Circuit symbol according to IEC 617

Product labeling drawing

