

MICON 5, SMT standard, 3,5 ± 0,7 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
- Packaging in blister tape, spool with 2,100 pieces
- Proposal for stencil printing: 150 µm stencil with 10% pad reduction on area

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	Reflow

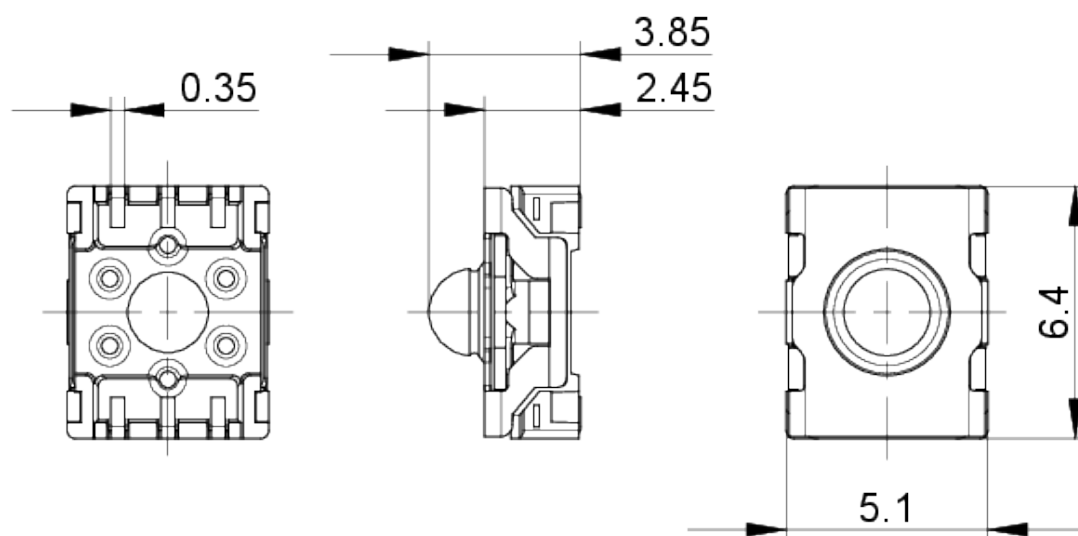
direct links

- [RAFI eCatalog](#)

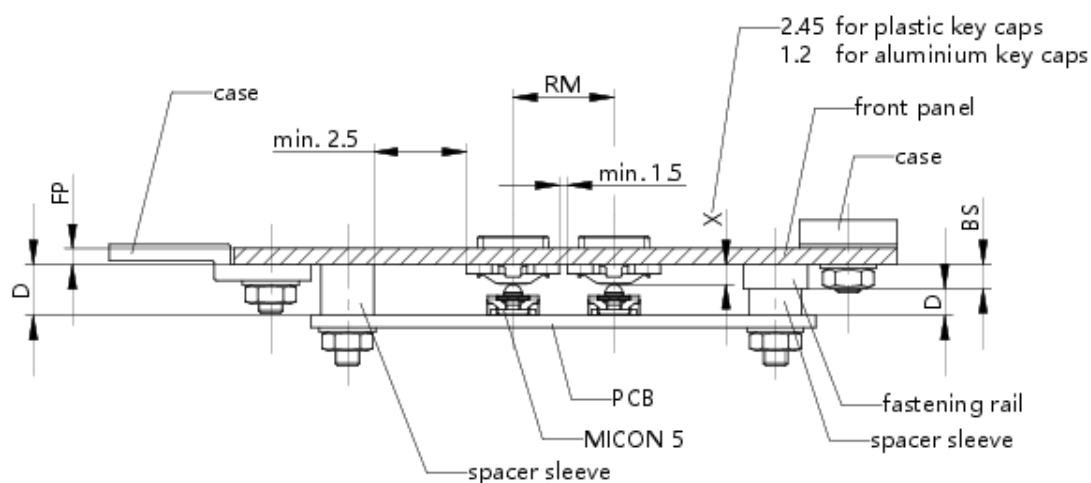
Solder heat resistance according to standard	DIN EN 60068-2-58 DIN EN 61760-1
Packaging	Blister
Packaging unit	2,100 pcs.
net weight	0.2 g
Operating life	250,000 cycles
B10	325,000 cycles
MSL Moisture Sensitivity Level	1
Shock resistance according to standard IEC 60068-2-27	100 g at 6 ms amplitude semi-sinusoidal
oscillation resistance according to standard IEC 60068-2-6	5 g at 10...500 Hz
MOQ order	2,100 pcs.
RoHS compliant	Yes
REACH compliant	Yes
Component material	Silicon
> mounting diameters	
Installation height	3.85 ± 0.1 mm
Grid, min.	6 x 7,8 mm
Outside dimension, length	6.4 ± 0.1 mm
Outside dimension, width	5.1 ± 0.1 mm
Outside dimension, height	3.85 ± 0.1 mm
> mechanical data	
Actuation function	momentary contact function
Operating force, max.	6 N
Operating force, min.	3,5 ± 0,7 N
Switching travel	0.8 ± 0.15 mm
Contact function	1 NO
Contact system	Snap-action contact
Contact material	Gold
Terminal on the rear	SMT
Solderability	Yes
> electrical data	
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

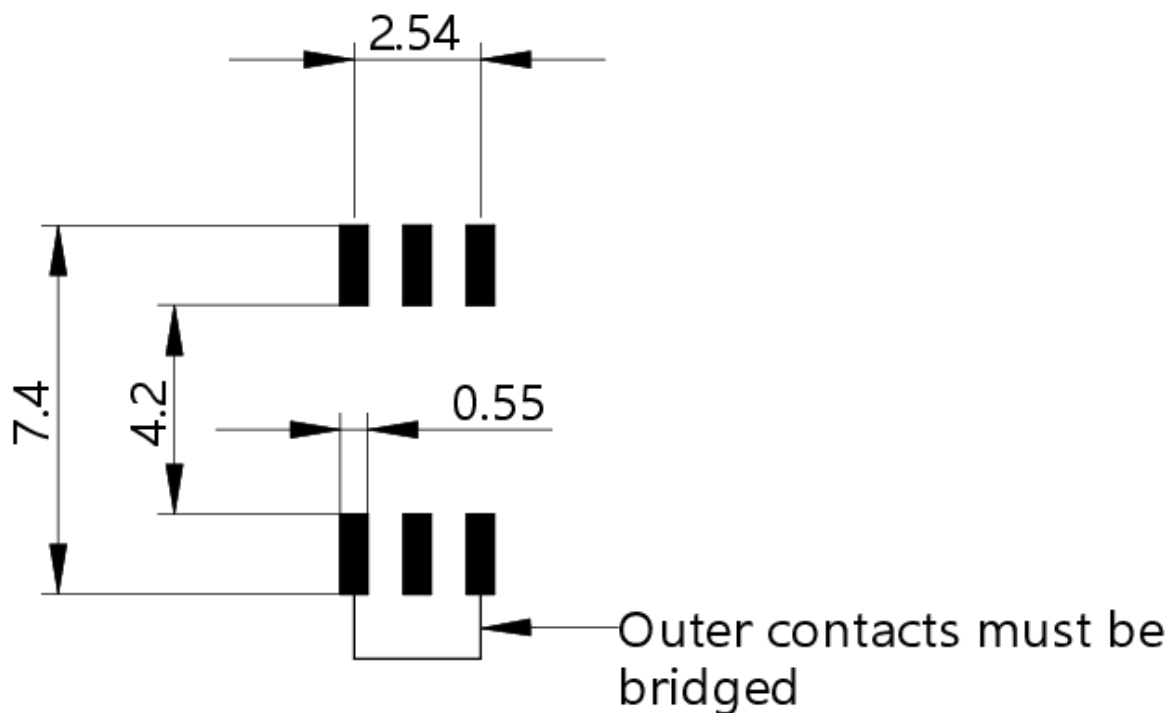
Dimensioned drawing



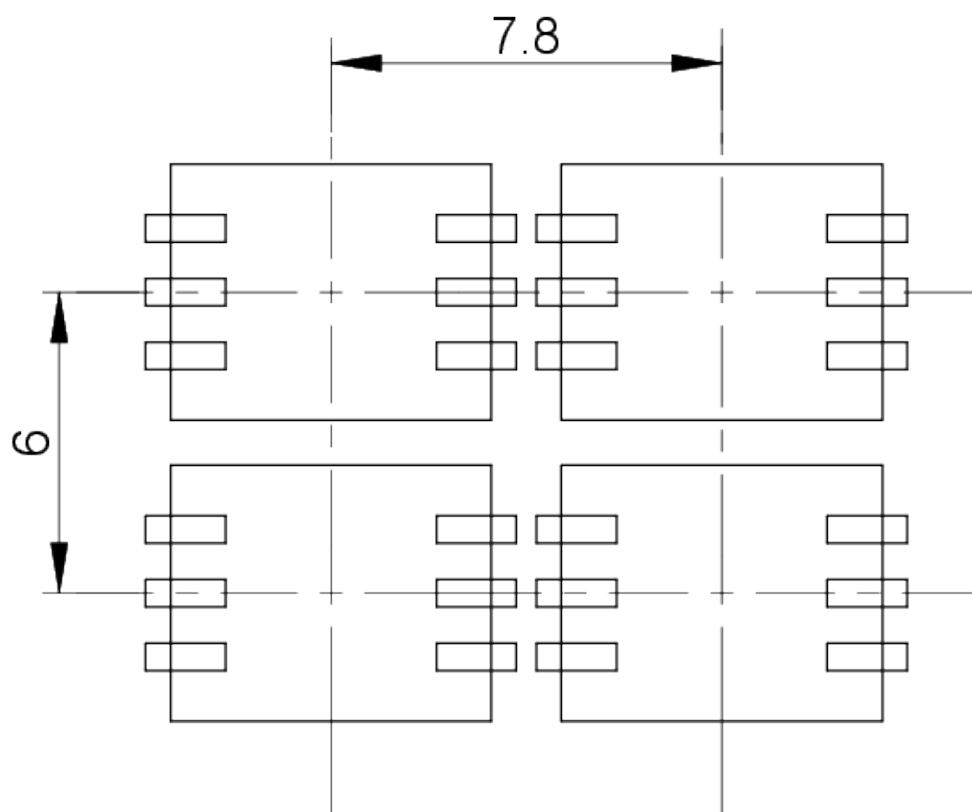
System drawing



PCB drawing

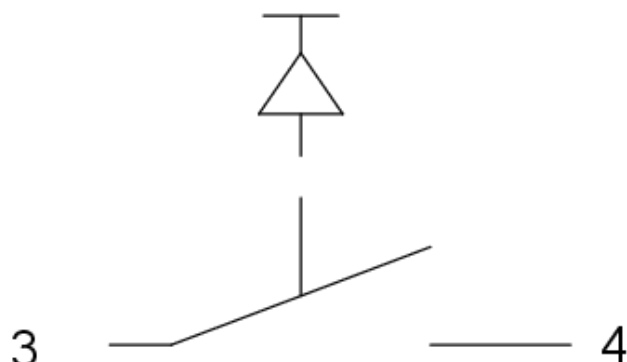
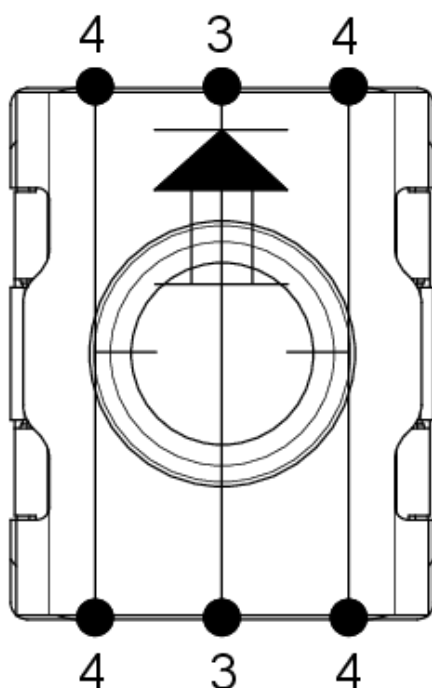


PCB drawing



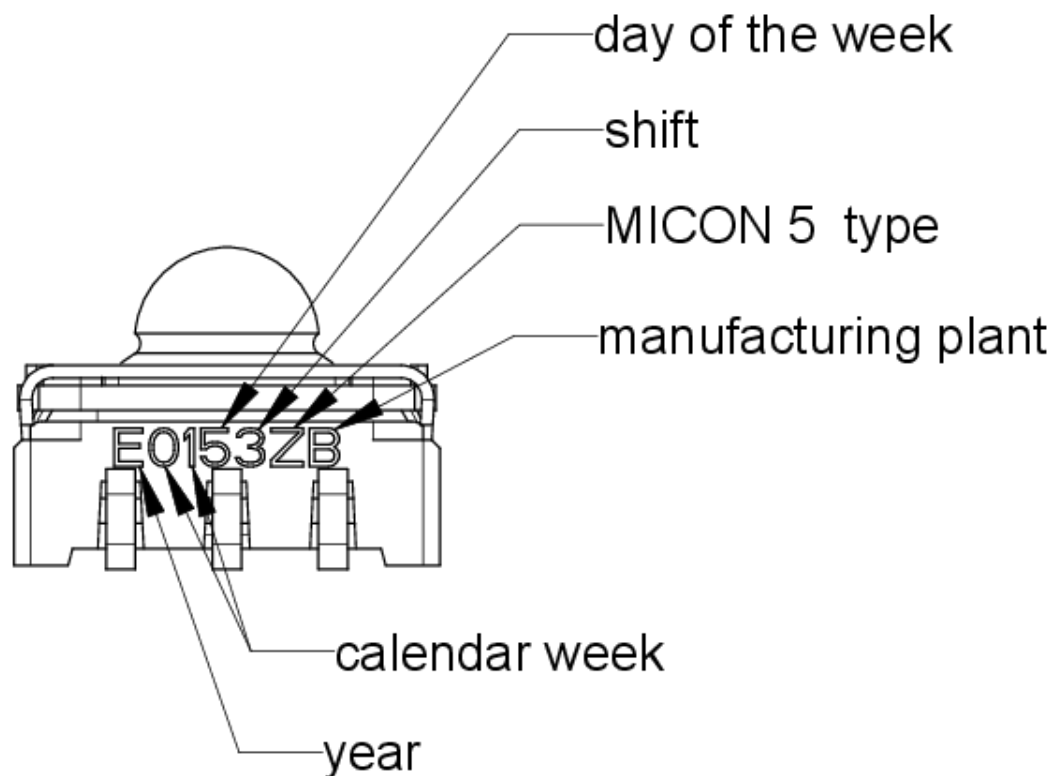
MICON 5 SMT

Schematic diagram



Circuit symbol according
to IEC 617

Product labeling drawing



Packaging drawing

