

MICON 5, SMT standard, 1,5 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
- Packaging in blister tape, spool with 2,100 pieces
- Proposal for stencil printing: 150 µm stencil with 10% pad reduction on area

Key switch 1.14.002.201/0000 does not offer any tactile or acoustic feedback. It is therefore usually only used as a redundant additional switch for other MICON standard key switches, if this is required for safety reasons.

technical data

➤ general

illuminated	No
Operating temperature, min.	-40 °C
Operating temperature, max.	90 °C
Storage temperature, min.	-40 °C

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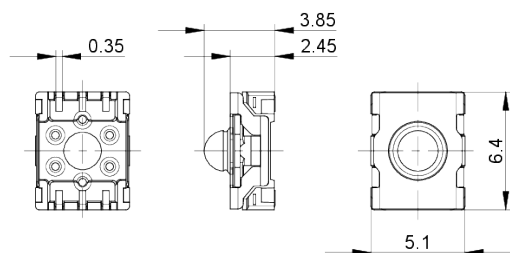
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Storage temperature, max.	90 °C
Soldering	Reflow
Packaging	Blister
Packaging unit	2,100 pcs.
standard delivery time	3 weeks
Operating life	1,000,000 Cycles
B10	1,300,000 Cycles
RoHS compliant	Yes
REACH compliant	Yes
oscillation resistance according to standard IEC 60068-2-6	5 g at 10...500 Hz
Solder heat resistance according to standard	DIN EN 60068-2-58 DIN EN 61760-1
MOQ order	2,100
> mounting diameters	
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
> mechanical data	
Actuation function	momentary contact function
Operating force, min.	1,5 N
Switching travel	0.5 mm
Contact function	1 NO
Contact system	Snap-action contact
Contact material	Gold
Terminal on the rear	SMT
Lötbarkeit	Yes
> electrical data	
Rated voltage, min.	0.02 V
Rated voltage, max.	35 V
Rated current, min.	0.00001 A
Rated current, max.	0.1 A
Rated power, max.	1 W
Dielectric strength	250 V

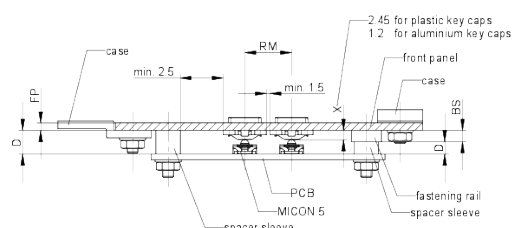
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drawings

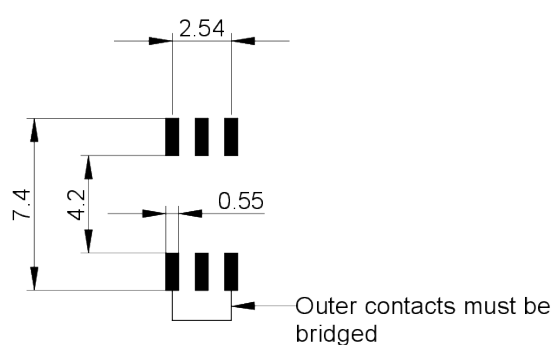
Dimensioned drawing



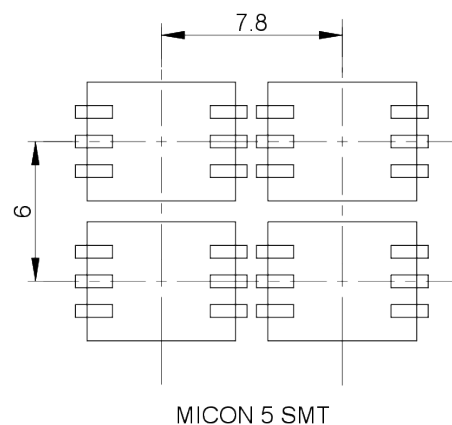
System drawing



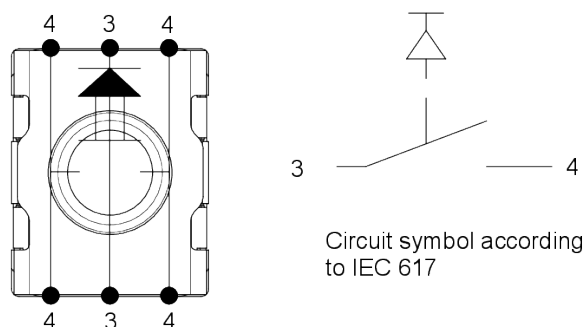
PCB drawing



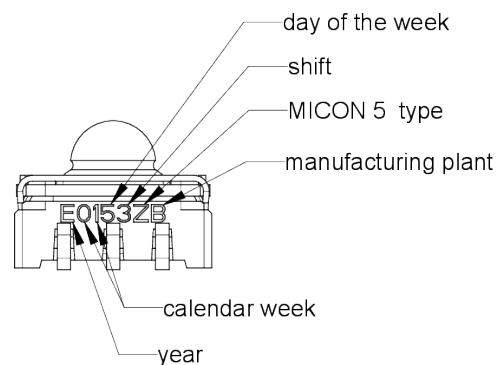
PCB drawing



Schematic diagram



Product labeling drawing



Packaging drawing

