

# MICON 5, SMT standard, 8 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

# CE

# 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

#### RAFI GmbH & Co. KG

Ravensburger Str. 128-134 88276 Berg / Ravensburg Germany www.rafi.de, info@rafi.de

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technical data sheet

# 1.14.002.011/0000

# technical data



> general		
illuminated	No	direct links
Operating temperature, min.	-40 °C	> RAFI eCatalog
Operating temperature, max.	90 °C	
Storage temperature, min.	-40 °C	
Storage temperature, max.	90 °C	
Soldering	Reflow	
Shock resistance according to standard IEC 60068-2-27	100 g at 6 ms amplitude semi-sinusoidal	
Packaging	Blister	
Packaging unit	2,100 pcs.	
net weight	0.2 g	
Operating life	250,000 Cycles	
B10	325,000 Cycles	
RoHS compliant	Yes	
REACH compliant	Yes	
oscillation restistance according to standard IEC 60068-2-6	5 g at 10500 Hz	
Solder heat resistance according	DIN EN 60068-2-58	
to standard	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.	8 N	
Switching travel	1.1 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	
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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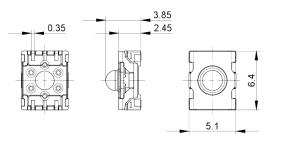
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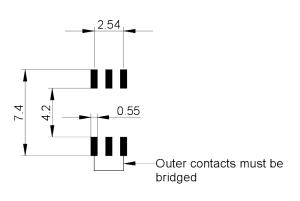


# drawings

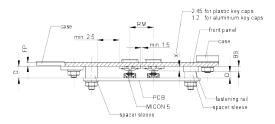
#### **Dimensioned drawing**



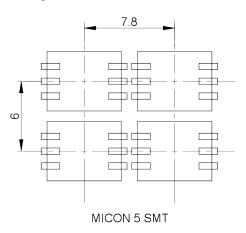
PCB drawing



System drawing

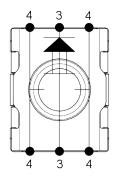


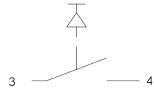
## PCB drawing



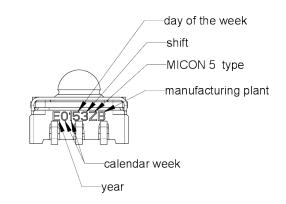
## Product labeling drawing

#### Schematic diagram

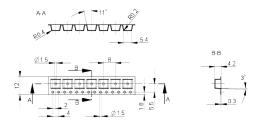




Circuit symbol according to IEC 617



## Packaging drawing



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