

MICON 5, SMT standard, 2,9 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

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1.14.002.101/0000

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	
Packaging	Blister	
Packaging unit	2,100 pcs.	
net weight	0.3 g	
Operating life	1,000,000 Cycles	
B10	1,300,000 Cycles	
RoHS compliant	Yes	
REACH compliant	Yes	
oscillation restistance according	5 g at 10500 Hz	
to standard IEC 60068-2-6		
Solder heat resistance according	DIN EN 60068-2-58	
to standard	DIN EN 61760-1	
SAP 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.	2,9 N	
Switching travel	0.7 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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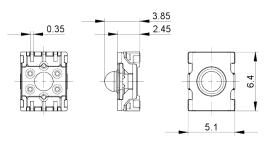
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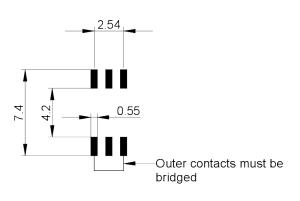


drawings

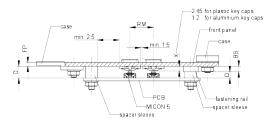
Dimensioned drawing



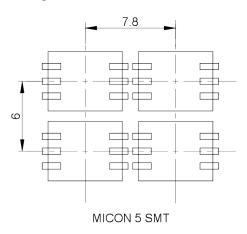
PCB drawing



System drawing

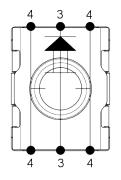


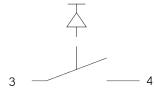
PCB drawing



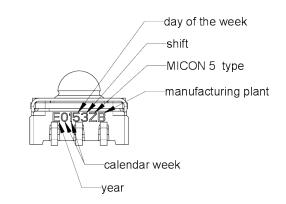
Product labeling drawing

Schematic diagram

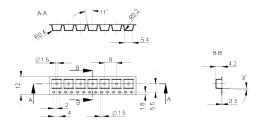




Circuit symbol according to IEC 617



Packaging drawing



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