

# MICON 5, THT standard, 3 N



# 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

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

# 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	Manual / wave	

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### technical data sheet

# 1.14.002.106/0000



	Solder heat resistance according	DIN EN 60068-2-58
	to standard	
	Packaging	Tube
	Packaging unit	102 pcs.
	net weight	0.1 g
	Operating life	1,000,000 Cycles
	RoHS compliant	Yes
	REACH compliant	Yes
	oscillation restistance according	5 g at 10500 Hz
	to standard IEC 60068-2-6	
>	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	
>	mechanical data Actuation function	momentary contact function
>		momentary contact function 3 N
>	Actuation function	
>	Actuation function Operating force, min.	3 N
>	Actuation function Operating force, min. Switching travel	3 N 0.7 mm
>	Actuation function Operating force, min. Switching travel Contact function	3 N 0.7 mm 1 NO
>	Actuation function Operating force, min. Switching travel Contact function Contact system	3 N 0.7 mm 1 NO Snap-action contact
>	Actuation function Operating force, min. Switching travel Contact function Contact system Contact material	3 N 0.7 mm 1 NO Snap-action contact Gold
	Actuation function Operating force, min. Switching travel Contact function Contact system Contact material Terminal on the rear	3 N 0.7 mm 1 NO Snap-action contact Gold THT
	Actuation function Operating force, min. Switching travel Contact function Contact system Contact material Terminal on the rear Lötbarkeit	3 N 0.7 mm 1 NO Snap-action contact Gold THT
	Actuation function Operating force, min. Switching travel Contact function Contact system Contact material Terminal on the rear Lötbarkeit electrical data	3 N 0.7 mm 1 NO Snap-action contact Gold THT Yes
	Actuation function Operating force, min. Switching travel Contact function Contact system Contact material Terminal on the rear Lötbarkeit <b>electrical data</b> Rated voltage, min.	3 N 0.7 mm 1 NO Snap-action contact Gold THT Yes
	Actuation function Operating force, min. Switching travel Contact function Contact system Contact material Terminal on the rear Lötbarkeit <b>electrical data</b> Rated voltage, min. Rated voltage, max.	3 N 0.7 mm 1 NO Snap-action contact Gold THT Yes 0.02 V 35 V
	Actuation function Operating force, min. Switching travel Contact function Contact system Contact material Terminal on the rear Lötbarkeit <b>electrical data</b> Rated voltage, min. Rated voltage, max. Rated current, min.	3 N 0.7 mm 1 NO Snap-action contact Gold THT Yes 0.02 V 35 V 0 A
	Actuation function Operating force, min. Switching travel Contact function Contact system Contact material Terminal on the rear Lötbarkeit <b>electrical data</b> Rated voltage, min. Rated voltage, max. Rated current, min. Rated current, max.	3 N 0.7 mm 1 NO Snap-action contact Gold THT Yes 0.02 V 35 V 0 A 0.1 A

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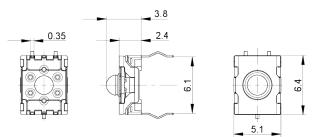
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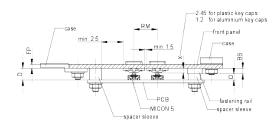


# drawings

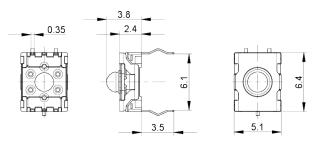
# **Dimensioned drawing**



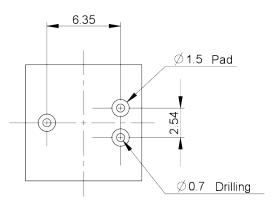
# System drawing



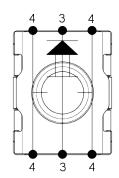
## **Dimensioned drawing**

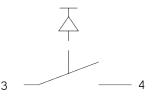


# PCB drawing



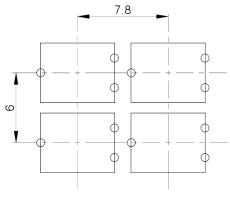
#### Schematic diagram





Circuit symbol according to IEC 617

## PCB drawing



MICON 5 THT

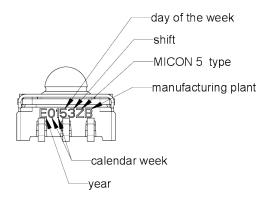
## **Product labeling drawing**

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