

## RACON 8, THT inside, 6,0<sup>±1,0</sup> 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
- › Different operating forces
- › Variable overall heights due to plunger
- › Terminal technology: SMT or THT
- › Traceability through product identification



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### description

Our top-quality RACON 8 tactile switches – in dimensions 8.4 x 8.4 mm – feature an unmistakable click, high switching reliability, and a sealed contact system. That has made RACON the standard in many industries. Whether for automotive applications, systems with keycaps, or membrane keyboards, RACON impresses in the THT or SMT versions – for your application too.

RACON 8 tactile switches can be arranged individually, in rows or as key blocks. When used beneath membrane overlays, the RACON key switches should be combined with plungers. 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 designs with SMT automatic assembly machines

IMDS entry

### technical data

#### › general

illuminated	No
Color	blue
Operating temperature, min.	-40 °C
Operating temperature, max.	90 °C
Storage temperature, min.	-50 °C
Storage temperature, max.	85 °C
Soldering time for manual soldering, max.	5 sec
Soldering temperature for manual soldering	350 °C

#### direct links

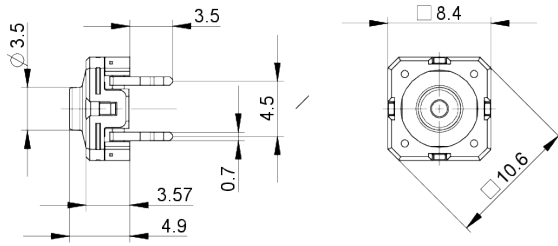
- › [RAFI eCatalog](#)

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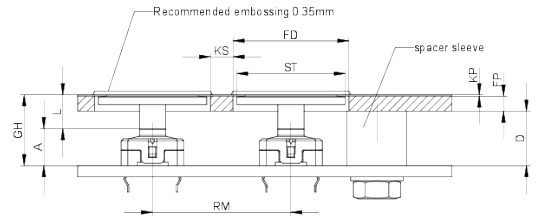
Soldering temperature for wave soldering	260 °C
Soldering	Manual / wave
Corrosive gas testing according to standard	Yes
Packaging	Tube
Packaging unit	60 pcs.
net weight	0.7 g
Operating life	50,000 Cycles
RoHS compliant	Yes
REACH compliant	Yes
Solder heat resistance according to standard	DIN EN 60068-2-20
SAP MOQ order	1,020
<b>&gt; mounting diameters</b>	
Installation height	4,90±0,1 mm
Grid, min.	8,9 x 12,7 mm
Outside dimension, length	8.4 mm
Outside dimension, width	8.4 mm
Outside dimension, height	8,4±0,1 mm
<b>&gt; mechanical data</b>	
Actuation function	momentary contact function
Operating force, max.	100 N
Operating force, min.	6,0±1,0 N
Switching travel	0,47±0,1 mm
Contact function	1 NO
Contact system	Snap-action contact
Contact material	Gold
Terminal on the rear	THT inward
Lötbarkeit	Yes
<b>&gt; electrical data</b>	
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

**drawings**

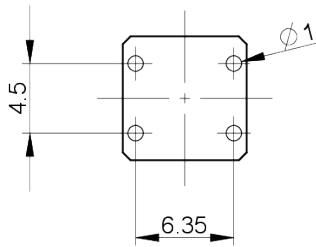
**Dimensioned drawing**



**System drawing**



**PCB drawing**

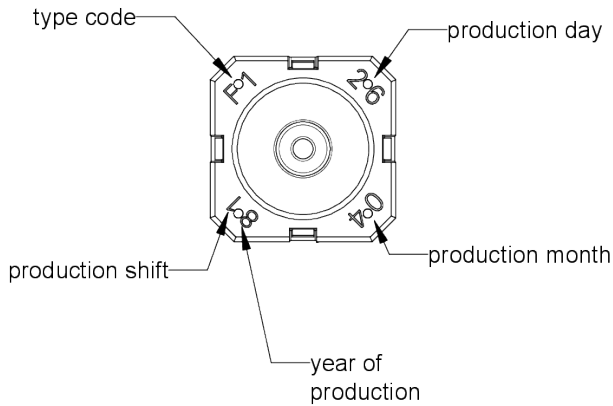


PCB hole pattern  
component side

**PCB drawing**



**Product labeling drawing**



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