

RACON 12, THT inside, 3.6 ± 0.7 N, 1 NO

DISCONTINUED



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 12 tactile switches – in the dimensions 12 x 12 mm – feature an unmistakeable 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 12 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	
	Color	blue
	Operating temperature, min.	-40 °C
	Operating temperature, max.	90 °C
	Storage temperature, min.	-50 °C
	Storage temperature, max.	90 °C
	illuminated	No
	Soldering time for manual	5 sec
	soldering, max.	
	Soldering temperature for manual	350 °C
	soldering	
	Soldering temperature for wave	260 °C
	soldering	

direct links

> RAFI eCatalog

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RAFI GmbH & Co. KG



Soldering Manual / wave
Solder heat resistance according DIN EN 60068-2-20

to standard

Packaging Tube
Packaging unit 45 pcs.
net weight 1.2 g

Operating life 1,000,000 cycles B10 1,300,000 cycles

MSL Moisture Sensitivity Level 1
Corrosive gas testing according to Yes

standard

MOQ order 450 pcs.

RoHS compliant Yes

REACH compliant Yes

Component material Elastomer

Product code B1

> mounting diameters

Outside dimension, length 12 mm
Outside dimension, width 12 mm

Installation height $4.95 \pm 0.1 \text{ mm}$ Grid, min. $12.50 \times 15.24 \text{ mm}$

> mechanical data

Actuation function momentary contact function

Operating force, max. 8 N

Operating force, min. $3.6 \pm 0.7 \text{ N}$ Switching travel $0.61^{\pm 0.1} \text{ mm}$

Contact function 1 NO

Contact system Snap-action contact

SPST - Single Pole Single Throw

Contact material Gold Solderability Yes

Terminal on the rear THT inward

> electrical data

Rated voltage, min.

Rated voltage, max.

Rated current, min.

Rated current, max.

O.1 A

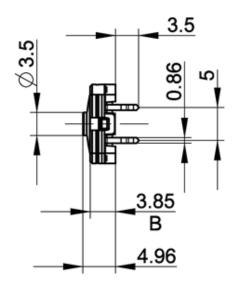
Rated power, max.

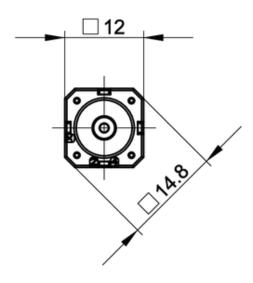
1 W



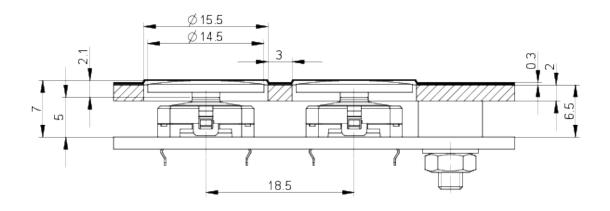
drawings

Dimensioned drawing



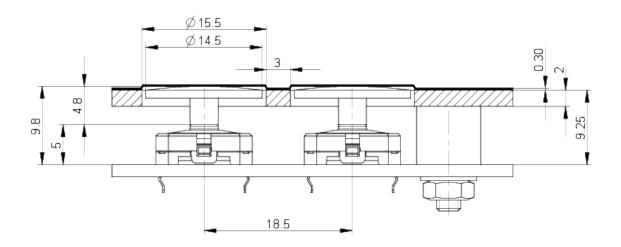


System drawing



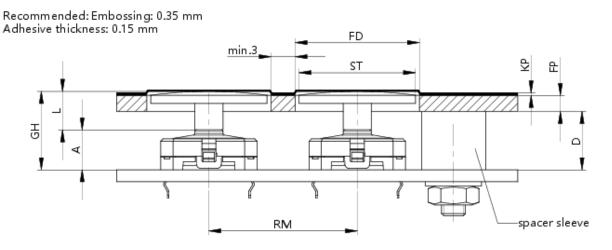


System drawing



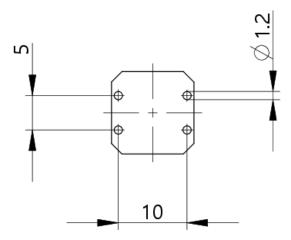
System drawing

THT connection internal



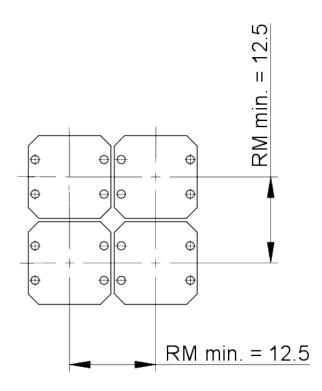


PCB drawing



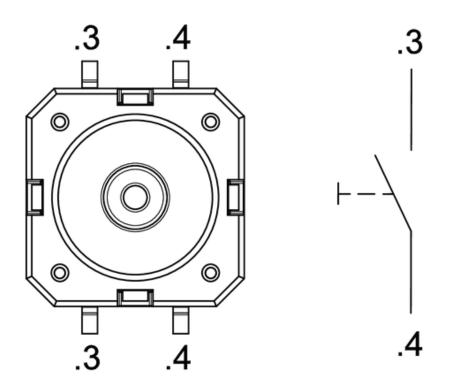
PCB hole pattern component side

PCB drawing





Schematic diagram



Product labeling drawing

