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RACON 8, SMT, 6,0^{±1,0} 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 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 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

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Color blue

Operating temperature, min. -40 °C Storage temperature, min. -50 °C

Operating temperature, max. 90 °C Storage temperature, max. 85 °C illuminated No Soldering Reflow

Solder heat resistance according

to standard

DIN FN 60068-2-58

Packaging Blister Packaging unit 1,000 pcs.

RAFI GmbH & Co. KG

direct links

> RAFI eCatalog

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Operating life 50,000 Cycles B10 65,000 Cycles

Yes

Corrosive gas testing according to

standard

MOQ order 1,000
RoHS compliant Yes
REACH compliant Yes

Component material Elastomer

> mounting diameters

Installation height 4,90 $^{\pm0,1}$ mm Grid, min. 8,9 x 12,7 mm

Outside dimension, length 8.4 mm

Outside dimension, width 8.4 mm

Outside dimension, height 4,90^{±0,1} mm

> mechanical data

Actuation function momentary contact function

Operating force, max. 100 N Operating force, min. $6.0^{\pm 1.0}$ N Switching travel $0.47^{\pm 0.1}$ mm

Contact function 1 NO

Contact system Snap-action contact

Contact material Gold
Terminal on the rear SMT
Solderability Yes

> electrical data

Rated power, max.

Rated voltage, min. 0.02 V
Rated voltage, max. 35 V
Rated current, min. 0.00001 A
Rated current, max. 0.1 A

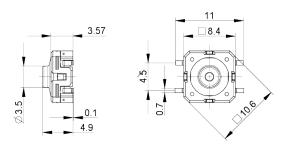
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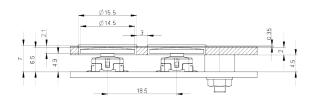


drawings

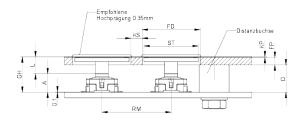
Dimensioned drawing



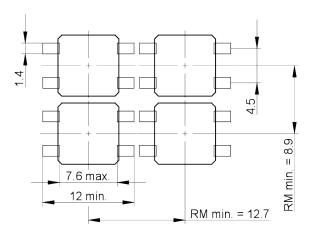
System drawing



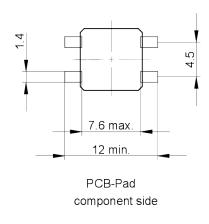
System drawing



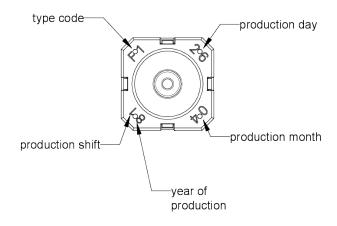
PCB drawing



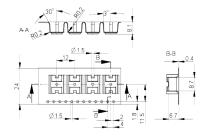
PCB drawing



Product labeling drawing



Packaging drawing



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