1.14.100.601/0000



RACON 8, THT outside, 4,8^{±0,8} 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

CE

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

> general

gonorai	
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	5 sec
soldering, max.	
Soldering temperature for manual	350 °C
soldering	
	illuminated Color Operating temperature, min. Operating temperature, max. Storage temperature, min. Storage temperature, max. Soldering time for manual soldering, max. Soldering temperature for manual

direct links

> RAFI eCatalog

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date: Jan 16, 2021 page: 1/3

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1.14.100.601/0000



Soldering temperature for wave

soldering

Soldering Manual / wave

260 °C

Yes

Corrosive gas testing according to

standard

Packaging Tube
Packaging unit 60 pcs.

Operating life 1,000,000 Cycles

RoHS compliant Yes
REACH compliant Yes

Solder heat resistance according DIN EN 60068-2-20

to standard

MOQ order 1,020

> 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 $8.4^{\pm0.1}$ mm

> mechanical data

Actuation function momentary contact function

Operating force, max. 100 N Operating force, min. $4,8^{\pm0,8}$ N Switching travel $0,42^{\pm0,1}$ mm

Contact function 1 NO

Contact system Snap-action contact

Contact material Gold

Terminal on the rear THT outward

Solderability Yes

> electrical data

Rated voltage, min.

Rated voltage, max.

Rated current, min.

Rated current, max.

O.1 A

Rated power, max.

1 W

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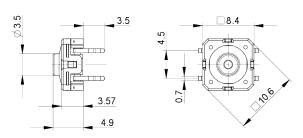
date: Jan 16, 2021 page: 2/3

1.14.100.601/0000

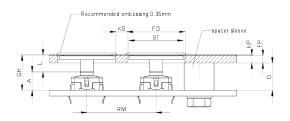


drawings

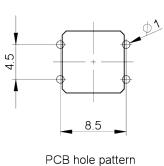
Dimensioned drawing



System drawing

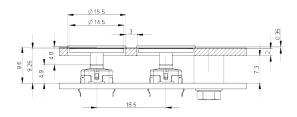


PCB drawing



PCB hole pattern component side

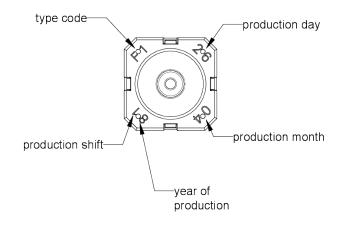
System drawing



PCB drawing



Product labeling drawing



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