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RACON 8, SMT, 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

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	Reflow
Corrosive gas testing according to	Yes

standard

Packaging Blister Packaging unit 1,000 pcs. direct links

> RAFI eCatalog

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Operating life 1,000,000 Cycles

RoHS compliant Yes
REACH compliant Yes

Solder heat resistance according DIN EN 60068-2-58

to standard

SAP MOQ order 1,000

> 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

1 W

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 SMT
Lötbarkeit 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

The information in this data sheet only contains general descriptions and / or performance features, which may not apply precisely as described to the respective application, and which my change due to further product enhancements. The technical data, illustrations and other information about our products are the mere results of individual technical testing. These descriptions and other product features are only binding if they expressly agreed upon at the time of the conclusion of a binding contract. In all other cases, we reserve the right to make technical changes as well as changes of availability. Pictures and other graphic illustrations are approximations only. All product names may be trademarks or brand names of the RAFI Group or any other sub-supplier of RAFI. The use of such by any third parties for their own purposes may infringe the rights of the respective entity holding those rights.

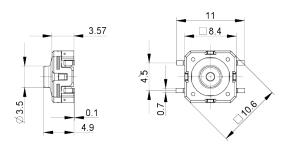
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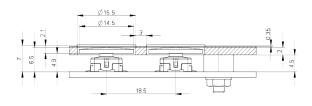


drawings

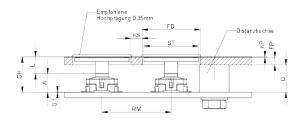
Dimensioned drawing



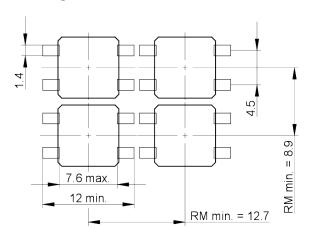
System drawing



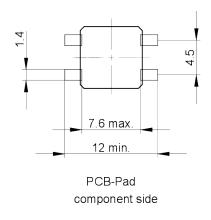
System drawing



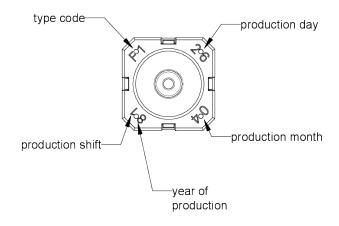
PCB drawing



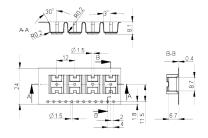
PCB drawing



Product labeling drawing



Packaging drawing





Contact details

The Netherlands



Elektrostraat 17 NL-7483 PG Haaksbergen

T: +31 (0)53 573 33 33 F: +31 (0)53 573 33 30 E: nl@texim-europe.com

Belgium



Zuiderlaan 14 bus 10 B-1731 Zellik

+32 (0)2 462 01 00 F: +32 (0)2 462 01 25

E: belgium@texim-europe.com

UK & Ireland





St. Mary's House, Church Lane Carlton Le Moorland Lincoln LN5 9HS

+44 (0)1522 789 555 +44 (0)845 299 22 26 E: uk@texim-europe.com

Germany North



Bahnhofstrasse 92 D-25451 Quickborn

T: +49 (0)4106 627 07-0 F: +49 (0)4106 627 07-20 E: germany@texim-europe.com

Germany South



Martin-Kollar-Strasse 9 D-81829 München

T: +49 (0)89 436 086-0 F: +49 (0)89 436 086-19

E: germany@texim-europe.com

Austria



Warwitzstrasse 9 A-5020 Salzburg

T: +43 (0)662 216 026 +43 (0)662 216 026-66 austria@texim-europe.com

Nordic region



Sdr. Jagtvej 12 DK-2970 Hørsholm

T: +45 88 20 26 30 F: +45 88 20 26 39

E: nordic@texim-europe.com

Italy



Via Matteotti 43 IT-20864 Agrate Brianza (MB)

T: +39 (0)39 971 3293 +39 (0)39 971 3293 E: italy@texim-europe.com

General information



info@texim-europe.com www.texim-europe.com







