

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		
Color	blue	direct links
Operating temperature, min.	-40 °C	> RAFI eCatalog
Storage temperature, min.	-50 °C	
Operating temperature, max.	90 °C	
Storage temperature, max.	85 °C	
illuminated	No	
Soldering	Reflow	
Solder heat resistance according	DIN EN 60068-2-58	
to standard		
Packaging	Blister	
Packaging unit	1,000 pcs.	
Operating life	1,000,000 cycles	

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. **date**: Jun 14, 2021 **page**: 1/6

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	B10	1,300,000 cycles
	Corrosive gas testing according to	Yes
	standard	
	MOQ order	1,000 pcs.
	RoHS compliant	Yes
	REACH compliant	Yes
	Component material	Elastomer
>	mounting diameters	
	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	4,90 ^{±0,1} mm
>	mechanical data	
	Actuation function	momentary contact function
	Operating force, min.	4,8 ^{±0,8} N
	Switching travel	0,42 ^{±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 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

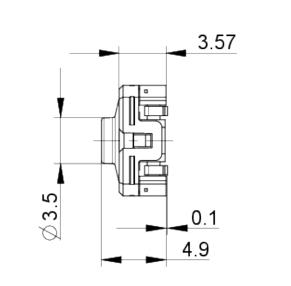
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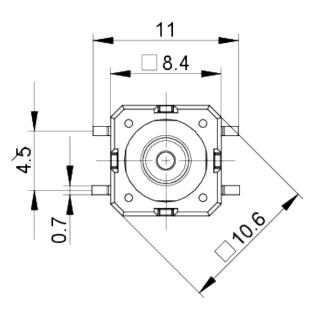
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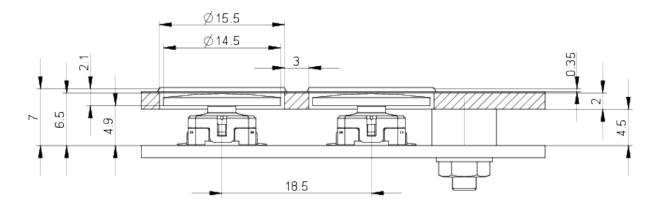
drawings

Dimensioned drawing





System drawing



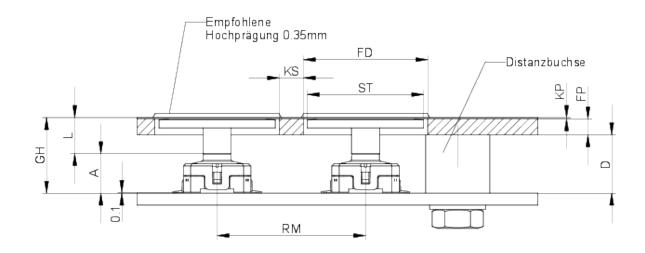
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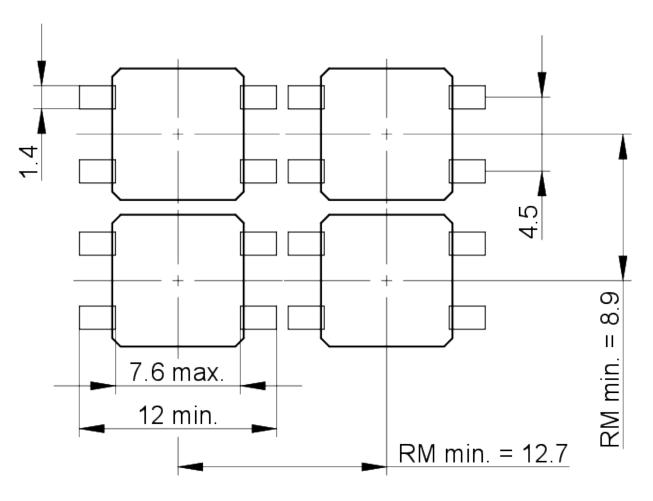




System drawing



PCB drawing



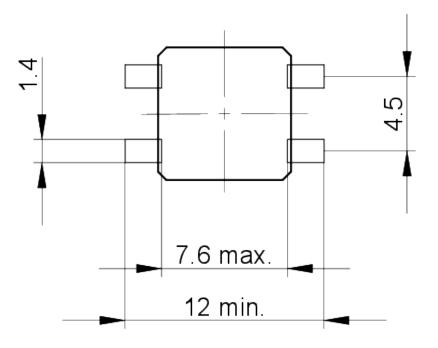
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PCB drawing



PCB-Pad component side

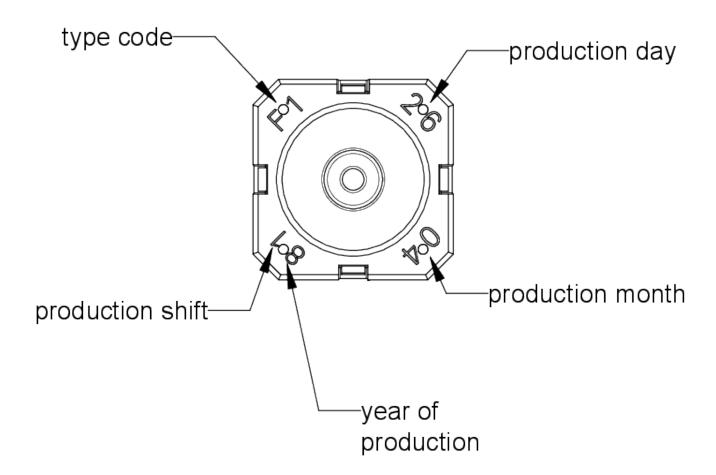
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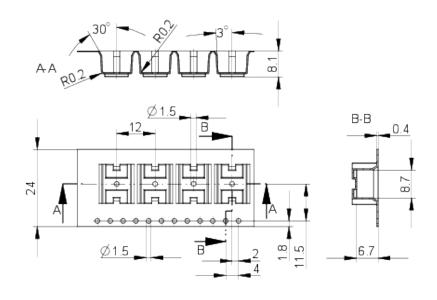




Product labeling drawing



Packaging drawing



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