3.14.001.006/0000



RF 19, silver, non-illuminated, 2,9^{±0,6} N, bezel transparent, 1 NO



fields of application

- > Measurement-control-regulation
- > Mechanical and system engineering
- > Automotive
- > Electro-medical

special features

- Silver contacts, reliable switching with medium currents
- > Optional: spot illumination or full illumination
- > Key grid 23 mm
- > Overall height: 9.7 mm
- > Terminal technology: THT

CE

description

The RF 19 silver tactile switches have a 19 x 19 mm edge length, reliable silver contacts and a noticeable click. They are used in flat data entry keyboards under overlays or under keycaps, such as RAFI RK 90 keycaps.

Flat data entry keyboards with RF 19 elements should be constructed in a 23 mm grid. With this grid, strips of glue remain between the individual keys on the front panel. The overlay, which we recommend embossing above the key switches, can be glued onto these strips of glue.

technical data

> general		
illuminated	No	
Bezel color	transparent	
Operating temperature, min.	-25 °C	
Operating temperature, max.	70 °C	
Storage temperature, min.	-25 °C	
Storage temperature, max.	70 °C	
Soldering time for manual	5 sec	
soldering, max.		
Soldering temperature for manual	350 °C	
soldering		
Soldering temperature for wave	260 °C	
soldering		
Soldering	Manual / wave	
Packaging	Tube	
Packaging unit	25 pcs.	
net weight	4 g	
standard delivery time	3 weeks	

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: Nov 17, 2020 page: 1/3

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3.14.001.006/0000



IEC 60068-2-14 Environment resistance

> IEC 60068-2-30 IEC 60068-2-33 IEC 60068-2-78

DIN EN 60068-2-20

Operating life 1,000,000 Cycles

RoHS compliant Yes **REACH** compliant Yes

Solder heat resistance according

to standard

MOQ order 25

> mounting diameters

Installation height 9.7 mm Grid, min. 23 mm Outside dimension, length 19.05 mm Outside dimension, width 19.05 mm Outside dimension, height 9.7 mm

> mechanical data

Actuation function momentary contact function

Operating force, max. 100 N $2.9^{\pm0,6} N$ Operating force, min. $0.5^{+0.2}$ mm Switching travel

Contact function 1 NO

Contact system Snap-action contact

Contact material Silver Fixing Soldering THT Terminal on the rear Yes

Lötbarkeit

> electrical data

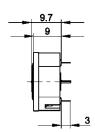
Rated voltage, min. 3 V Rated voltage, max. 35 V Rated current, min. 0.0001 A Rated current, max. 0.25 A Rated power, max. 12.5 W

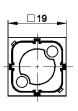
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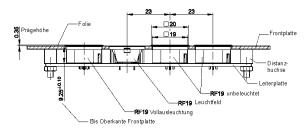
drawings

Dimensioned drawing

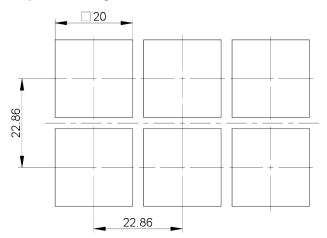




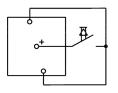
System drawing



front panel drawing



Circuit diagram



Non-illuminated Button

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