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> RAFI eCatalog

# RF 19, silver, non-illuminated, 2.9 ± 0.6 N, bezel transparent, 1 NO



### **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.

# CE

## technical data

>	general	

Bezel color transparent -25 °C Operating temperature, min.

70 °C Operating temperature, max. Storage temperature, min. -25 °C 70 °C Storage temperature, max. illuminated No 5 sec

Soldering time for manual

soldering, max.

Soldering temperature for manual

soldering

Soldering temperature for wave

soldering

Soldering Manual / wave DIN EN 60068-2-20 Solder heat resistance according

350 °C

260 °C

to standard

Packaging Tube Packaging unit 25 pcs. Net weight

Operating life 1,000,000 cycles 1,300,000 cycles Environment resistance IEC 60068-2-14 IEC 60068-2-30 IEC 60068-2-33 IEC 60068-2-78

Minimum order quantity (MOQ) 25 pcs. RoHS compliant Yes **REACH** compliant Yes Country of origin DE

### mounting diameters

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

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

#### > mechanical data

Terminal on the rear THT

Fixing Soldering

Actuation function momentary contact function

Operating force, max. 100 N

Operating force, min.  $2.9 \pm 0.6 \text{ N}$ 

Contact function 1 NO

Contact system Snap-action contact

Contact material Silver Solderability Yes

Switching travel 0.5<sup>+0.3</sup> mm

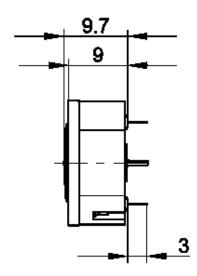
### > electrical data

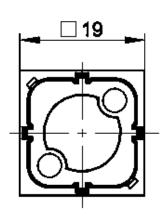
Rated voltage, min. 3 V
Rated voltage, max. 35 V
Rated current, min. 0.0001 A
Rated current, max. 0.25 A
Rated power, max. 12.5 W



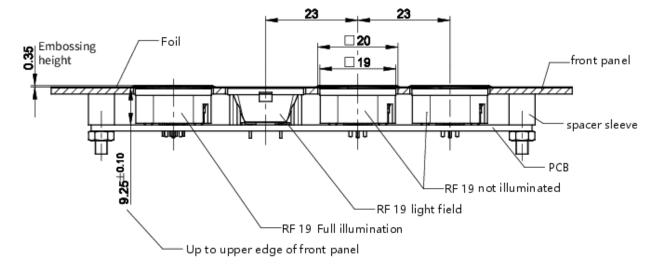
## drawings

### **Dimensioned drawing**



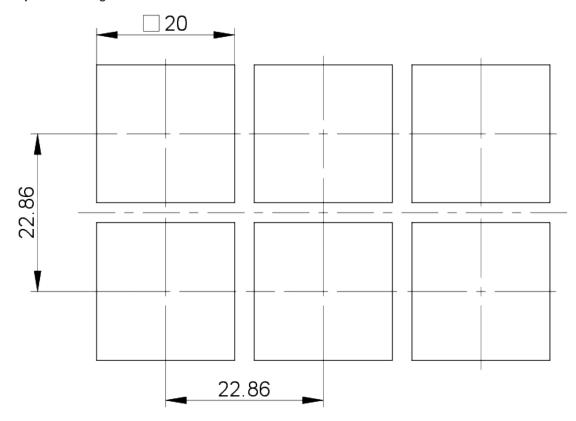


### System drawing

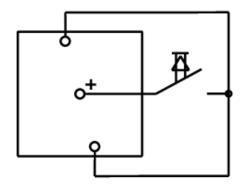




#### front panel drawing



### Circuit diagram



# Non-illuminated Button