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> RAFI eCatalog

RF 19, gold, full illumination, 2.9 \pm 0.6 N, lamp yellow, bezel white, 1 NO



Description

The RF 19 gold tactile switches have a 19×19 mm edge length, reliable gold 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

> general

technical data

•	go	
	Bezel color	white
	Luminous element color	yellow
	Operating temperature, min.	-25 °C
	Operating temperature, max.	70 °C
	Storage temperature, min.	-25 °C
	Storage temperature, max.	70 °C
	illuminated	Yes
	Luminous elements	Full illumination 2 LEDs
	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
	Solder heat resistance according	DIN EN 60068-2-20
	to standard	
	Packaging	Tube
	Packaging unit	25 pcs.
	Operating life	1,000,000 cycles
	B10	1,300,000 cycles
	Environment resistance	IEC 60068-2-14
		IEC 60068-2-30
		IEC 60068-2-33
		IEC 60068-2-78

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25 pcs.

Yes

Yes

Minimum order quantity (MOQ)

RoHS compliant

REACH compliant

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Country of origin DE

> mounting diameters

Outside dimension, length

Outside dimension, width

Outside dimension, width

Outside dimension, height

Installation height

Grid, min.

19.05 mm

9.7 mm

9.7 mm

23 mm

> mechanical data

Terminal on the rear THT

Fixing Soldering

Actuation function momentary contact function

2 V

no

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 Gold Solderability Yes

Switching travel 0.5^{+0.3} mm

> electrical data

Operating voltage of the luminous

element, min.

Operating voltage of the luminous 5

element, max.

dropping resistor

Rated voltage, min.

Rated voltage, max.

Rated current, min.

Rated current, max.

O.1 A

Rated power, max.

2 W

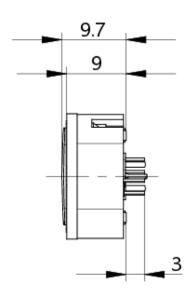
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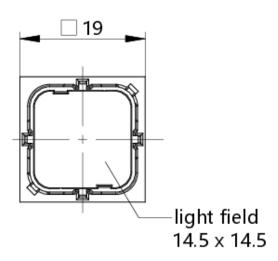
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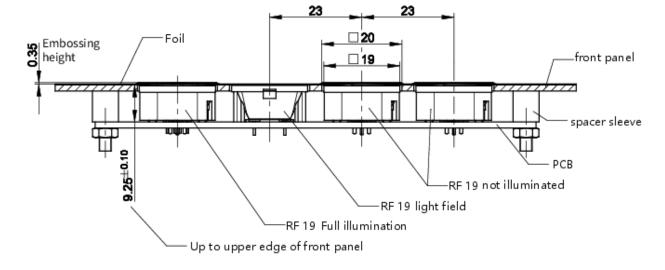
drawings

Dimensioned drawing





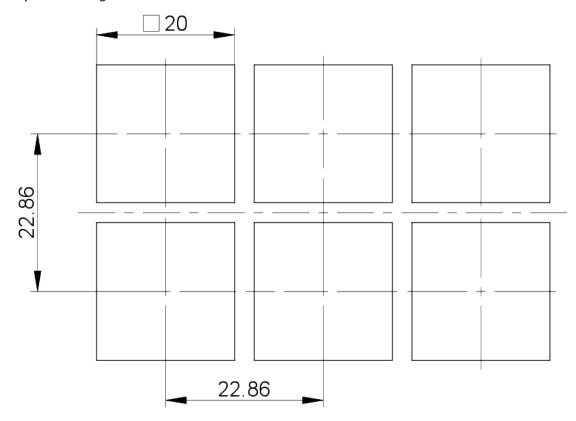
System drawing



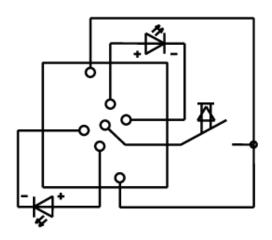
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front panel drawing



Circuit diagram



Button full illumination