

# RF 19, gold, full illumination, 2.9 ± 0.6 N, lamp yellow, bezel yellow, 1 NO



#### fields of application

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

#### special features

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

# CE

## description

The RF 19 gold tactile switches have a 19 x 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.

### technical data

general		
Bezel color	yellow	direct links
Luminous element color	yellow	> RAFI eCatalog
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 soldering, max.	5 sec	
Soldering temperature for manual soldering	350 °C	
Soldering temperature for wave soldering	260 °C	
Soldering	Manual / wave	
Solder heat resistance according to standard	DIN EN 60068-2-20	
Packaging	Tube	

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technical data sheet



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	Packaging unit	25 pcs.
	net weight	5.5 g
	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
	MOQ order	25 pcs.
	RoHS compliant	Yes
	REACH compliant	Yes
>	mounting diameters	
	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	
	Actuation function	momentary contact function
	Operating force, max.	100 N
	Operating force, min.	2.9 ± 0.6 N
	Switching travel	0.5 <sup>+0.3</sup> mm
	Contact function	1 NO
	Contact system	Snap-action contact
	Contact material	Gold
	Fixing	Soldering
	Solderability	Yes
	Terminal on the rear	THT
>	electrical data	
	Operating voltage of the luminous	2 V
	element, min.	
	Operating voltage of the luminous element, max.	5 V
	Rated voltage, min.	0.02 V
	Rated voltage, max.	35 V
		0.00001 A
	Rated current, min. Rated current, max.	0.1 A
	Rated power, max.	2 W
	dropping resistor	no

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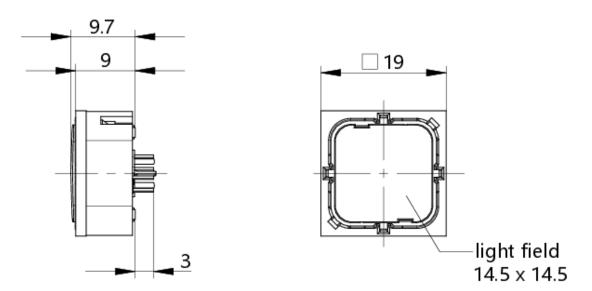
#### technical data sheet

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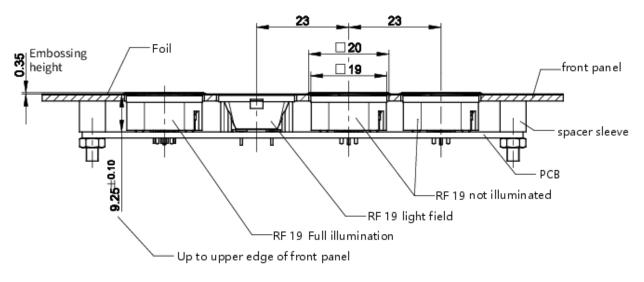


### drawings

#### **Dimensioned drawing**



#### System drawing



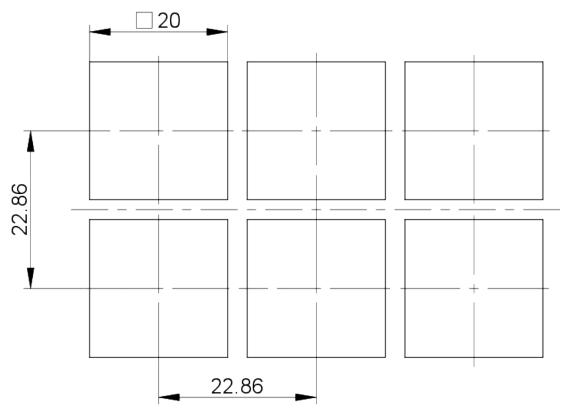
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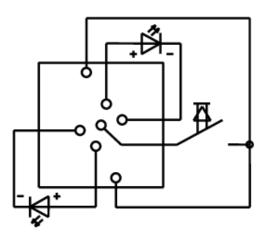
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front panel drawing



**Circuit diagram** 



# Button full illumination

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