

RF 19, silver, full illumination, 2.9 ± 0.6 N, lamp green, bezel green, 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		
Bezel color	green	direct links
Luminous element co	lor green	> RAFI eCatalog
Operating temperatur	re, min25 °C	
Operating temperatur	re, max. 70 °C	
Storage temperature,	min25 °C	
Storage temperature,	max. 70 °C	
illuminated	Yes	
Luminous elements	Full illum	nination 2 LEDs
Soldering time for ma	nual 5 sec	
soldering, max.		
Soldering temperature soldering	e for manual 350 °C	
Soldering temperature soldering	e for wave 260 °C	
Soldering	Manual,	/ wave
Solder heat resistance	e according DIN EN	60068-2-20
to standard		
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		
>	nounting 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 ^{+0.3} mm		
	Contact function	1 NO		
	Contact system	Snap-action contact		
	Contact material	Silver		
	Fixing	Soldering		
	Solderability	Yes		
	Terminal on the rear	THT		
>	electrical data			
	Operating voltage of the luminous element, min.	2 V		
	Operating voltage of the luminous	5 V		
	element, max.			
	Rated voltage, min.	3 V		
	Rated voltage, max.	35 V		
	Operating current of the luminous element, max.	30 mA		
	Rated current, min.	0.0001 A		
	Rated current, max.	0.25 A		
	Rated power, max.	12.5 W		
	dropping resistor	no		

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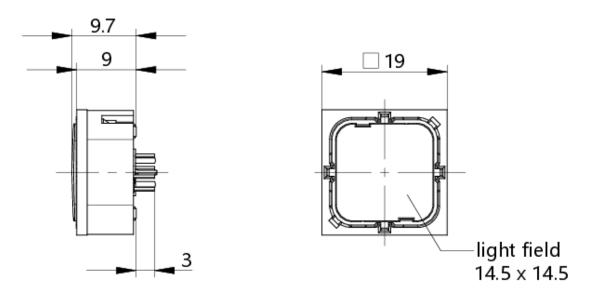
technical data sheet



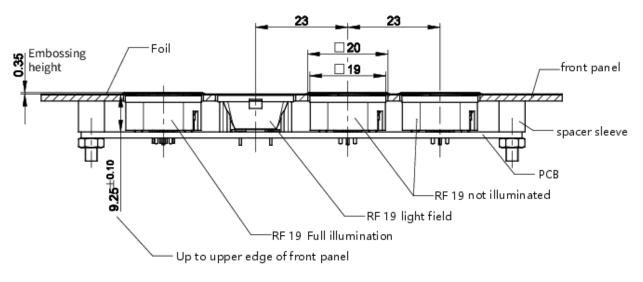


drawings

Dimensioned drawing



System drawing



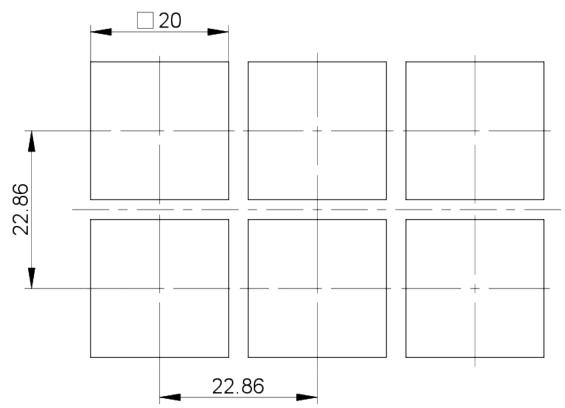
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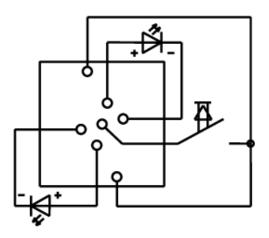




front panel drawing



Circuit diagram



Button full illumination

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