

RF 19, silver, spot illumination, 2.9 ± 0.6 N, lamp red, 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		
	Bezel color	transparent	direct links
	Luminous element color	red	> 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	Spot illumination 1 LED	
	Soldering time for manual	5 sec	
	soldering, max.		
	Soldering temperature for manual soldering	350 °C	
	Soldering temperature for wave soldering	260 °C	
	Soldering	Manual / wave	
	Solder heat resistance according	DIN EN 60068-2-20	
	to standard		
	Packaging	Tube	

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	Deslassing	05
	Packaging unit	25 pcs.
	net weight	4 g
	Operating life B10	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
	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 ^{+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	2 V
	element, min.	
	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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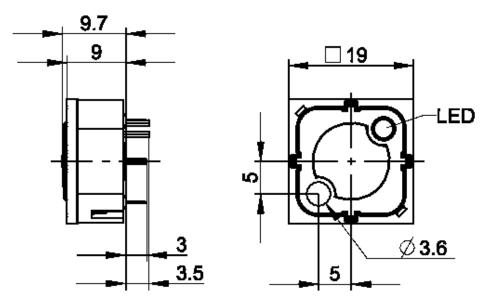
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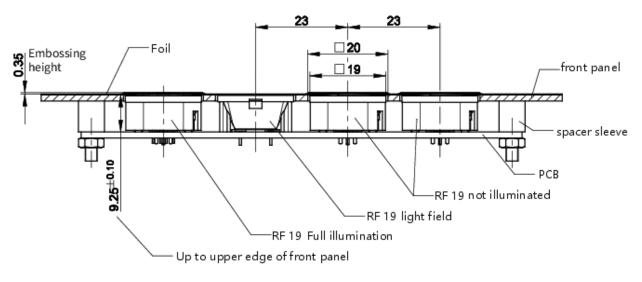


drawings

Dimensioned drawing



System drawing



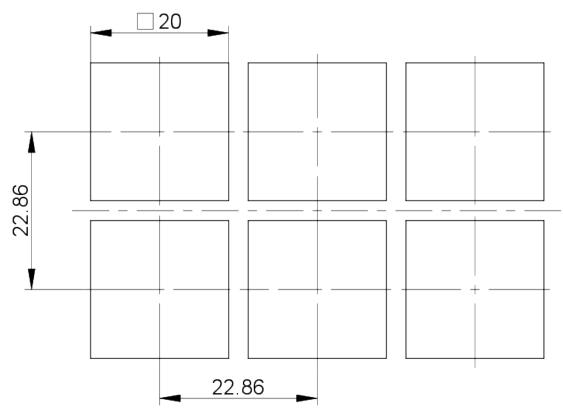
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technical data sheet

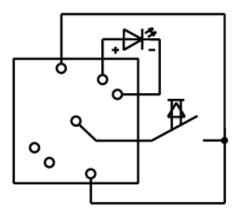
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front panel drawing



Circuit diagram



Button point illumination

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