

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



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

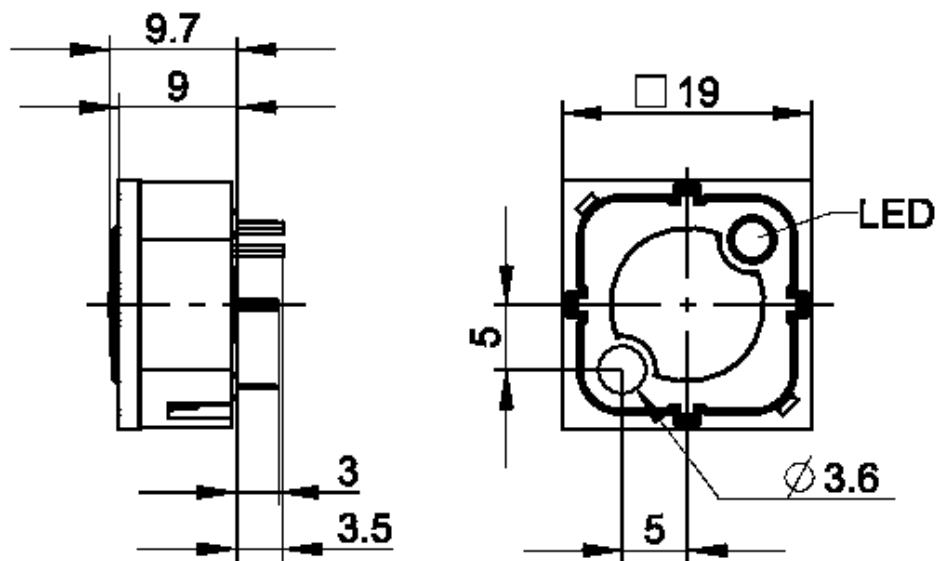
Bezel color	transparent
Luminous element color	red
Operating temperature, min.	-25 °C
Storage temperature, min.	-25 °C
Operating temperature, max.	70 °C
Storage temperature, max.	70 °C
illuminated	Yes
Luminous elements	Spot illumination 1 LED
Soldering time for manual soldering, max.	5 sec
Soldering 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

direct links

- [RAFI eCatalog](#)

Packaging	Tube
Packaging unit	25 pcs.
net weight	4.0 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	
Installation height	9.7 mm
Grid, min.	23 mm
Outside dimension, length	19.05 mm
Outside dimension, width	19.05 mm
Outside dimension, height	9.7 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 ^{+0,2} mm
Contact function	1 NO
Contact system	Snap-action contact
Contact material	Silver
Fixing	Soldering
Terminal on the rear	THT
Solderability	Yes
> electrical data	
Operating voltage of the luminous element, min.	2 V
Operating voltage of the luminous element, max.	5 V
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

Dimensioned drawing



0.35

Embossing height

Foil

23

20

19

front panel

spacer sleeve

PCB

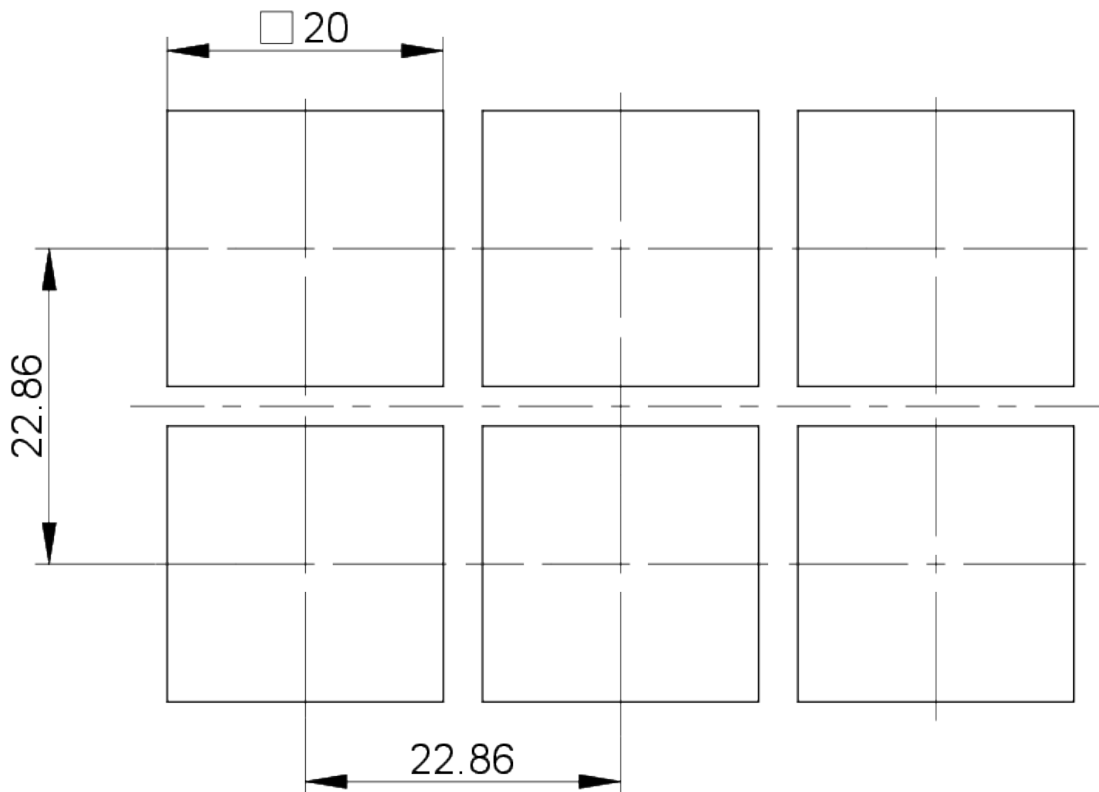
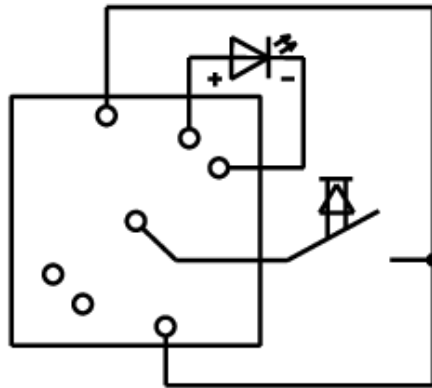
9.25 ± 0.10

RF 19 not illuminated

RF 19 light field

RF 19 Full illumination

Up to upper edge of front panel

front panel drawing**Circuit diagram****Button point illumination**