

RF 19, silver, spot illumination, 2,9^{±0,6} N, lamp green, 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

	>	genera	İ
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Bezel color transparent

Luminous element color green

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 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

direct links

> RAFI eCatalog

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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

MOQ order 25 pcs.

RoHS compliant Yes

REACH compliant Yes

> mounting diameters

Installation height9.7 mmGrid, min.23 mmOutside dimension, length19.05 mmOutside dimension, width19.05 mmOutside dimension, height9.7 mm

> mechanical data

Actuation function momentary contact function

Operating force, max. 100 N
Operating force, min. $2.9^{\pm0.6}$ N
Switching travel $0.5^{\pm0.2}$ 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 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 30 mA

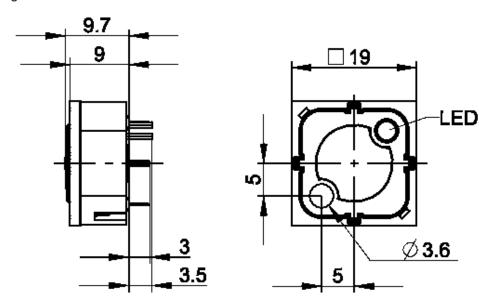
element, max.

Rated current, min. 0.0001 A
Rated current, max. 0.25 A
Rated power, max. 12.5 W
dropping resistor no

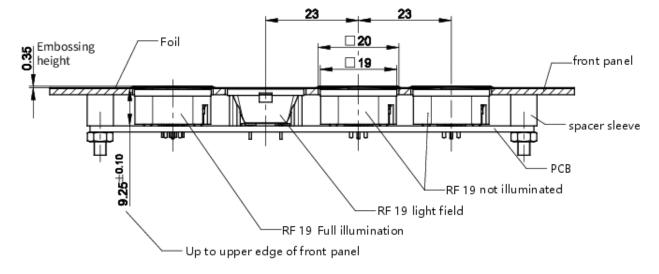


drawings

Dimensioned drawing



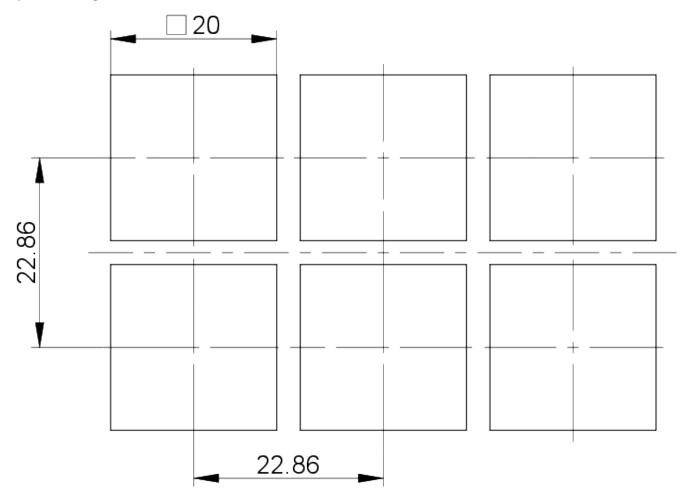
System drawing



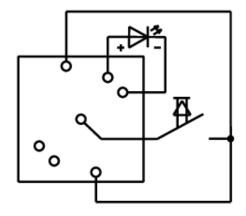
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front panel drawing



Circuit diagram



Button point illumination