

RF 19 H, 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
- > Full illumination
- > Min. key grid 24 mm
- > Overall height: 12.5 mm
- > Terminal technology: THT

CE

description

The RF 15 H 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 H elements should be constructed in a 24 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.

The key switch can be locked with an O-ring (accessory) and used as a signal indicator or placeholder.

technical data

>	general	

Bezel color green

Luminous element color green

Operating temperature, min. -25 °C

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.

Soldering temperature for manual

soldering

Soldering temperature for wave

soldering

Soldering Manual / wave
Solder heat resistance according DIN EN 60068-2-20

to standard

direct links

> RAFI eCatalog

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5 sec

350 °C

260 °C



Tube Packaging Packaging unit 25 pcs. net weight 3.8 g

Operating life 1,000,000 cycles B10 1,300,000 cycles IEC 60068-2-14 Environment resistance 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 12.5 mm Installation height 12.5 mm Grid, min. 24 mm

> mechanical data

Actuation function momentary contact function

Operating force, max. 100 N Operating force, min. $2.9 \pm 0.6 \, \text{N}$ 0.5^{+0.3} mm Switching travel

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.

3 V Rated voltage, min. Rated voltage, max. 35 V Operating current of the luminous 30 mA

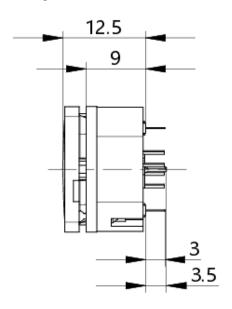
element, max.

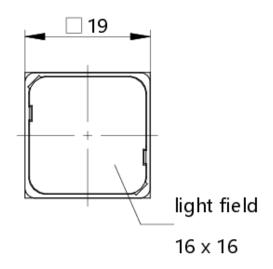
Rated current, min. 0.0001 A Rated current, max. 0.25 A Rated power, max. 12.5 W dropping resistor no



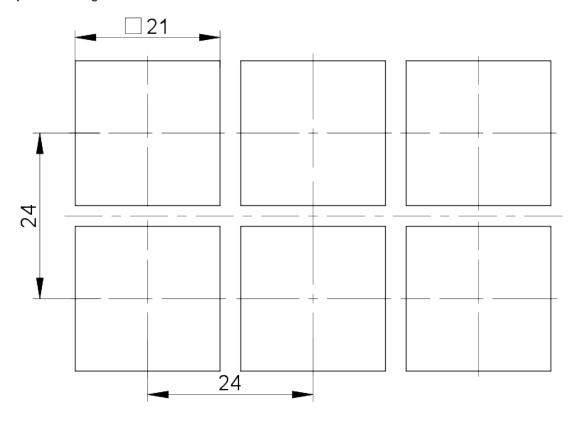
drawings

Dimensioned drawing



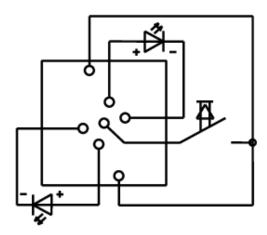


front panel drawing





Circuit diagram



Button full illumination