

RF 19 H, gold, non-illuminated, 2.9 ± 0.6 N, bezel white, 1 NO



fields of application

- > Measurement-control-regulation
- > Mechanical and system engineering
- > Automotive
- > Electro-medical

special features

- > Gold contacts, reliable switching with low currents
- > Full illumination
- > Min. key grid 24 mm
- > Overall height: 12.5 mm
- > Terminal technology: THT

CE

description

The RF 19 H gold tactile switches have a 19 x 19 mm edge length, reliable gold 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 white Operating temperature, min. -25 °C Operating temperature, max. 70 °C Storage temperature, min. -25 °C Storage temperature, max. 70 °C illuminated Nο Soldering time for manual 5 sec soldering, max.

Soldering temperature for manual 350 °C

soldering

Soldering temperature for wave 260 °C

soldering

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

to standard

Tube Packaging Packaging unit 25 pcs. net weight 4 g

direct links

> RAFI eCatalog

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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

THT

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

Contact function 1 NO

Contact system Snap-action contact

Contact material Gold Fixing Soldering Solderability Yes

Terminal on the rear

> electrical data

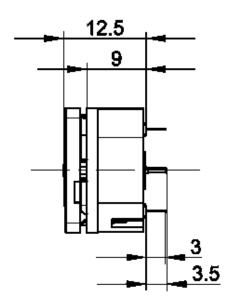
Rated voltage, min. 0.02 V Rated voltage, max. 35 V

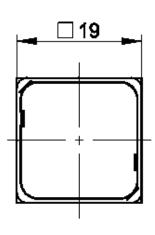
0.00001 A Rated current, min. Rated current, max. 0.1 A Rated power, max. 2 W



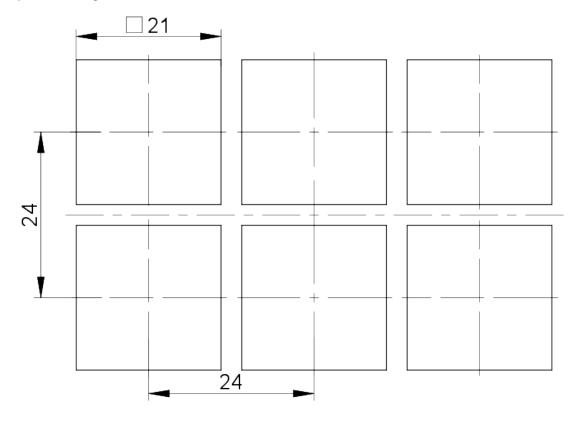
drawings

Dimensioned drawing



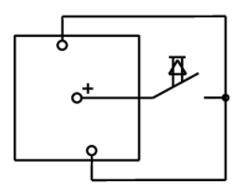


front panel drawing





Circuit diagram



Non-illuminated Button