

RF 15 R, gold, high, spot illumination 1 LED, 2.9 ± 0.6 N, lamp green, 1 NO



fields of application

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

special features

- > Gold contacts, reliable switching with low currents
- > Optional spot illumination
- > Round plunger / key switch shape
- > Round cut-outs in the front panel
- > Narrow key grid of 15.24 mm possible
- > Overall height: 9.7 mm or 12.5 mm
- > Terminal technology: THT

CE

description

The RF 15 R gold tactile switches have a 15 x 15 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.

The round pressure pad of the RF 15 R requires round cut-outs in the front panel. These enable a narrow keyboard grid of just 15.24 mm with sufficiently large adhesive strips between the individual key switches. The overlay, which we recommend embossing above the key switches, can be glued onto these strips of glue.

technical data

>	general
---	---------

Luminous element color green

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 350 °C

soldering

Soldering temperature for wave 260 °C

soldering

Soldering Manual / wave

Solder heat resistance according

to standard

Packaging Tube

direct links

> RAFI eCatalog

The information in this data sheet only contains general descriptions and / or performance features, which may not apply precisely as described to the respective application, and which my change due to further product enhancements. The technical data, illustrations and other information about our products are the mere results of individual technical testing. These descriptions and other product features are only binding if they expressly agreed upon at the time of the conclusion of a binding contract. In all other cases, we reserve the right to make technical changes as well as changes of availability. Pictures and other graphic illustrations are approximations only. All product names may be trademarks or brand names of the RAFI Group or any other sub-supplier of RAFI. The use of such by any third parties for their own purposes may infringe the rights of the respective entity holding those rights.

date: Jan 5, 2025 page: 1/4

DIN EN 60068-2-20

RAFI GmbH & Co. KG



Packaging unit 25 pcs.

Operating life 1,000,000 cycles B10 1,300,000 cycles

MOQ order 25 pcs.

RoHS compliant Yes

REACH compliant Yes

> mounting diameters

Outside dimension, length 15 mm
Outside dimension, width 15 mm
Outside dimension, height 12.5 mm
Installation height 12.5 mm
Grid, min. 15.24 mm

> mechanical data

Actuation function momentary contact function

2 V

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

Contact function 1 NO

Contact system Snap-action contact

Contact material Gold

Fixing Soldering

Solderability Yes

Terminal on the rear THT

> electrical data

Operating voltage of the luminous

element, min.

Operating voltage of the luminous 5 V

element, max.

Rated voltage, min. 0.02 V
Rated voltage, max. 35 V
Operating current of the luminous 30 mA

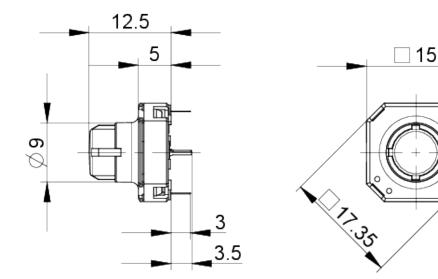
element, max.

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

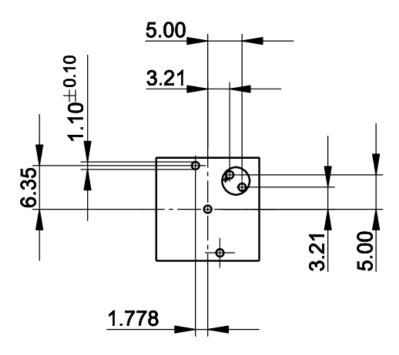


drawings

Dimensioned drawing



PCB drawing

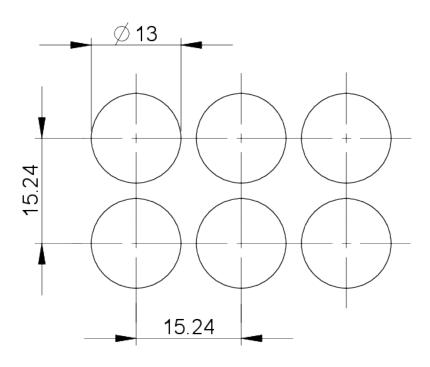


Button with 1x point illumination

RAFI GmbH & Co. KG



front panel drawing



front panel drawing

