

# RF 15 H, gold, full illumination 1 LED, $2.9 \pm 0.6$ N, lamp blue, bezel blue, 1 NO

#### **DISCONTINUED**



#### 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 20 mm
- > Overall height: 12.5 mm
- > Terminal technology: THT

## CE

## description

The RF 15 H 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.

Flat data entry keyboards with RF 15 H elements should be constructed in a 20 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 blue Luminous element color blue

Operating temperature, min. -25 °C
Operating temperature, max. 70 °C
Storage temperature, min. -25 °C
Storage temperature, min. -25 °C
illuminated 70 °C
Yes

Luminous elements Full 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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date: Aug 24, 2024 page: 1/4



Packaging Tube
Packaging unit 32 pcs.
net weight 2.1 g

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

MOQ order 32 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. 20 mm

> mechanical data

Actuation function momentary contact function

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 2.7 V

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 20 mA

element, max.

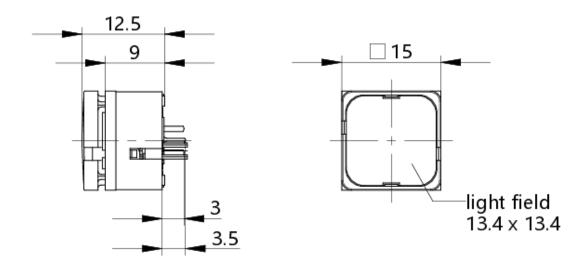
Rated current, min. 0.00001 A
Rated current, max. 0.1 A
Rated power, max. 2 W

dropping resistor no

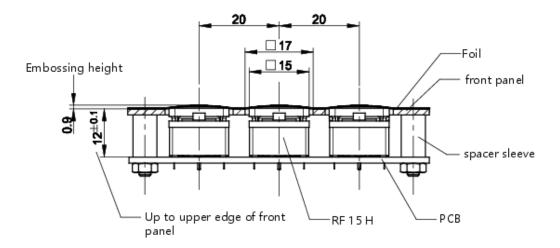


## drawings

### **Dimensioned drawing**

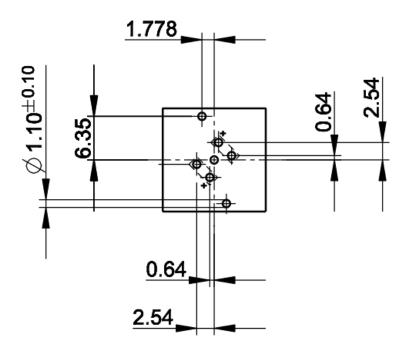


#### System drawing





#### **PCB** drawing



Button full illumination

## front panel drawing

