

# RF 15, gold, non-illuminated, 2,9<sup>±0,6</sup> N, bezel transparent, 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 or full illumination
- > Key grid 19.05 mm
- Overall height: 9.7 mm or 12.5 mm with keycap
- > Terminal technology: THT

CE

### description

The RF 15 gold tactile switches have a  $15 \times 15$  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 elements should be constructed in a 19.05 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.

Wenn Wechselbeschriftungen benötigt werden, oder wenn die Bauhöhe von 12,5 mm erreicht werden soll, kann auf die unbeleuchteten Tasten eine Tastenkappe aufgerastet werden. Die Beschriftung der Tastenkappe wird durch ein Fenster in der Dekorfolie sichtbar. Für einen Beschriftungswechsel kann die Tastenkappe ausgetauscht werden.

### technical data

>	general
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Bezel color transparent Operating temperature, min. -25 °C -25 °C Storage temperature, min. Operating temperature, max. 70 °C 70 °C Storage temperature, max. illuminated Nο 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 direct links

> RAFI eCatalog

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Solder heat resistance according DIN EN 60068-2-20

to standard

Packaging Tube
Packaging unit 32 pcs.
net weight 2.5 g

Operating life 1,000,000 Cycles B10 1,300,000 Cycles

MOQ order 32
RoHS compliant Yes
REACH compliant Yes

> mounting diameters

Installation height 9.7 mm
Grid, min. 19.05 mm
Outside dimension, length 15 mm
Outside dimension, width 15 mm
Outside dimension, height 9.7 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 Gold
Fixing Soldering
Terminal on the rear THT
Solderability Yes

> electrical data

Rated voltage, min. 0.02 V
Rated voltage, max. 35 V
Rated current, min. 0.00001 A
Rated current, max. 0.1 A

Rated power, max.

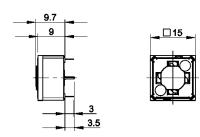
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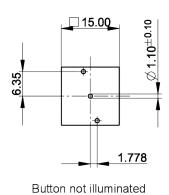


# drawings

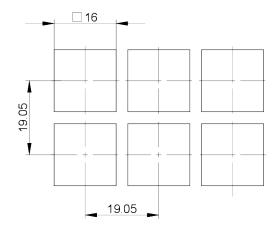
### **Dimensioned drawing**



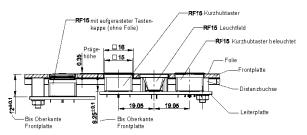
### **PCB** drawing



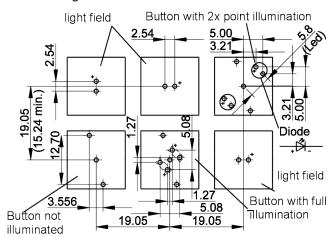
### front panel drawing



## System drawing



### **PCB** drawing



### front panel drawing

