

# RF 15, gold, non-illuminated, 2.9 ± 0.6 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



### description

The RF 15 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 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			
Bezel color	transpar	ent	direct links
Operating temperate	ure, min25 °C		> RAFI eCatalog
Operating temperate	ure, max. 70 °C		
Storage temperature	e, min25 °C		
Storage temperature	e, max. 70 °C		
illuminated	No		
Soldering time for m soldering, max.	anual 5 sec		
Soldering temperatu soldering	re for manual 350 °C		
Soldering temperatu soldering	re for wave 260 °C		
Soldering	Manual ,	wave	
Solder heat resistand to standard	ce according DIN EN	60068-2-20	
Packaging	Tube		

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.

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RAFI GmbH & Co. KG



Packaging unit 32 pcs. net weight 2.5 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 9.7 mm
Installation height 9.7 mm
Grid, min. 19.05 mm

> mechanical data

Actuation function momentary contact function

Operating force, max. 100 N 
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 5 V

element, max.

Rated voltage, min.

Rated voltage, max.

Rated current, min.

Rated current, max.

0.1 A

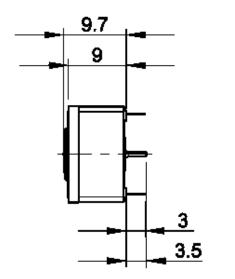
Rated power, max.

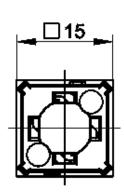
2 W



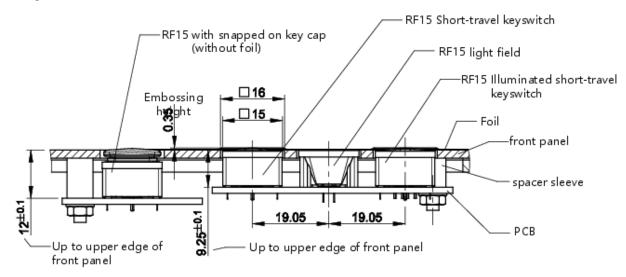
### drawings

### **Dimensioned drawing**



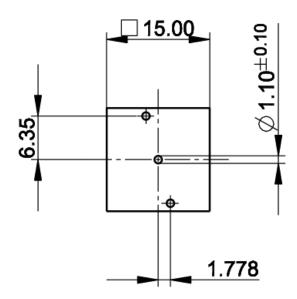


### System drawing



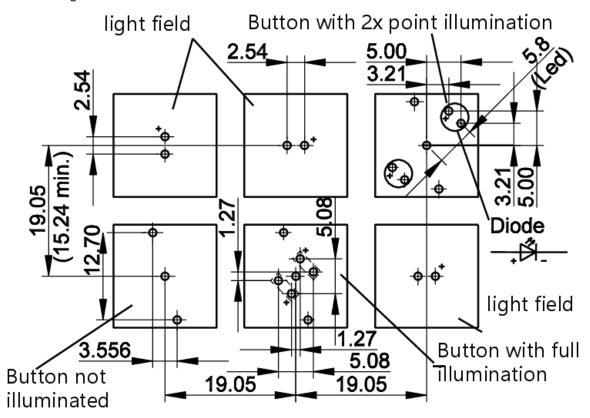


#### **PCB** drawing



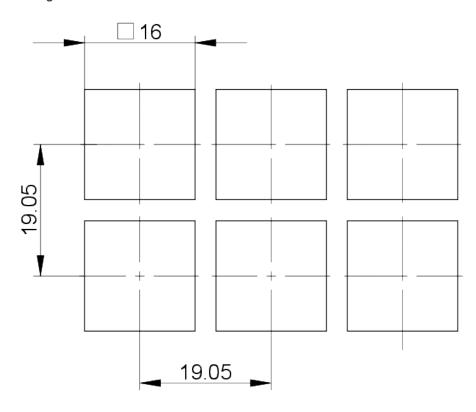
Button not illuminated

### **PCB** drawing





#### front panel drawing



### front panel drawing

