

RF 15, gold, full illumination, 2.9 ± 0.6 N, lamp red, 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
- > 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 15×15 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.

RF 15, mit Gold-Kontakten, vollflächige Ausleuchtung der Blende zur Ausleuchtung von Fenstern in der Dekorfolie, bzw. transparenten Tastenkappen RK 90.

technical data

Soldering

> general		
Bezel color	white	direct links
Luminous element color	red	> RAFI eCatalog
Operating temperature, min.	-25 °C	
Operating temperature, max.	70 °C	
Storage temperature, min.	-25 °C	
Storage temperature, max.	70 °C	
illuminated	Yes	
Luminous elements	Full illumination 2 LEDs	
Soldering time for manual	5 sec	
soldering, max.	350 °C	
Soldering temperature for manual soldering	300 C	
Soldering temperature for wave soldering	260 °C	

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Manual / wave

RAFI GmbH & Co. KG



Solder heat resistance according DIN EN 60068-2-20

to standard

Packaging Tube
Packaging unit 32 pcs.
net weight 2.6 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 2 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 30 mA

element, max.

Rated current, min.

Rated current, max.

O.1 A

Rated power, max.

2 W

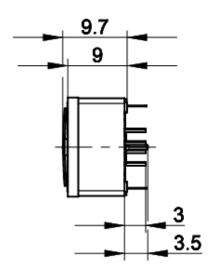
dropping resistor

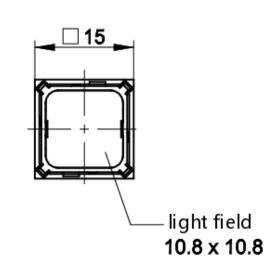
no



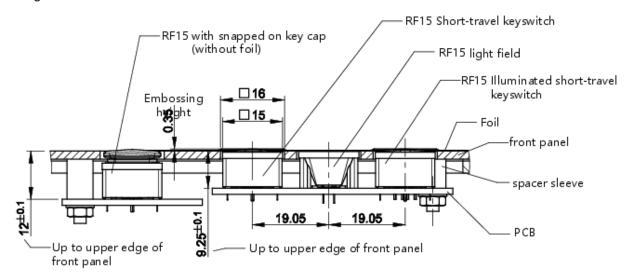
drawings

Dimensioned drawing



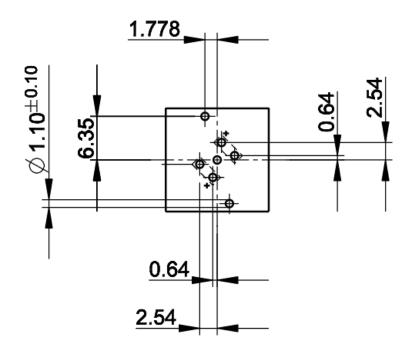


System drawing



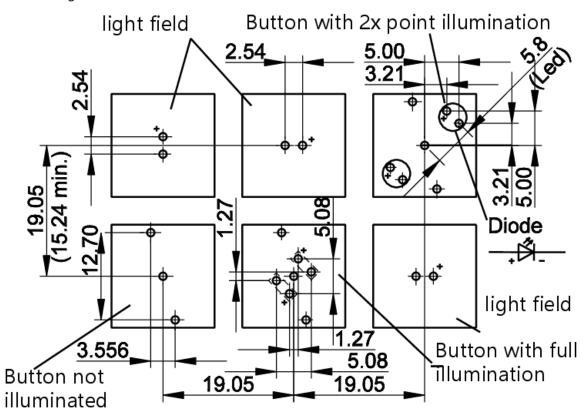


PCB drawing



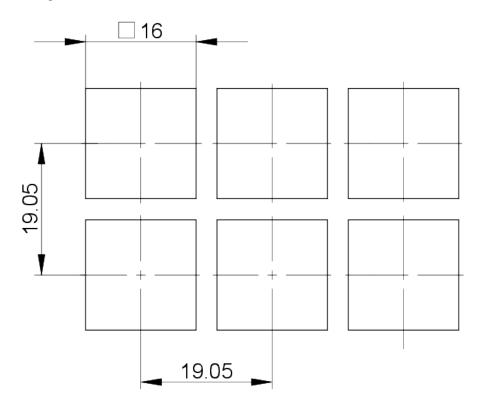
Button full illumination

PCB drawing





front panel drawing



front panel drawing

