

RF 15, gold, full illumination, 2.9 ± 0.6 N, lamp red, bezel red, 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.

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

technical data

➤ general

Bezel color	red
Luminous element color	red
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 soldering, max.	5 sec
Soldering temperature for manual soldering	350 °C
Soldering temperature for wave soldering	260 °C
Soldering	Manual / wave
Solder heat resistance according to standard	DIN EN 60068-2-20

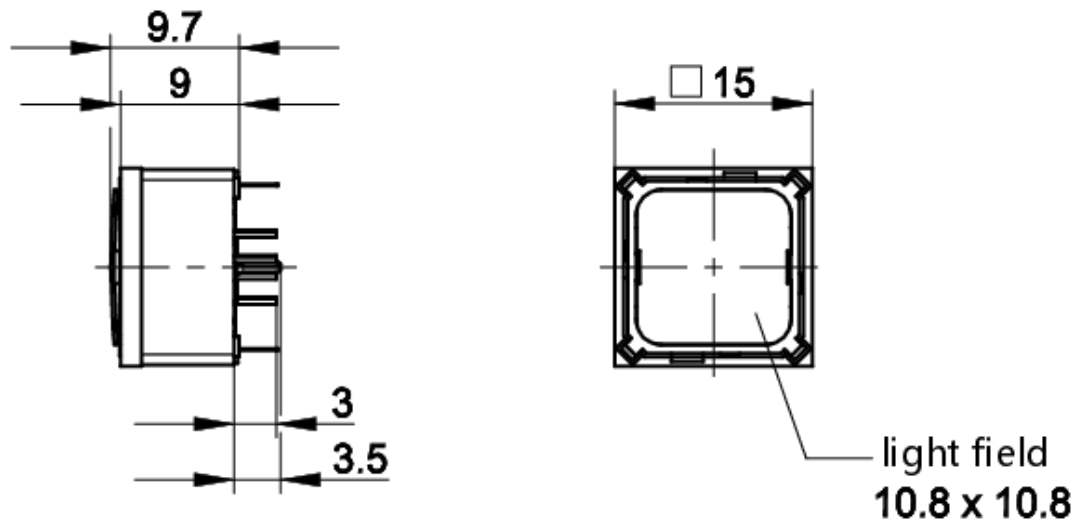
direct links

- [RAFI eCatalog](#)

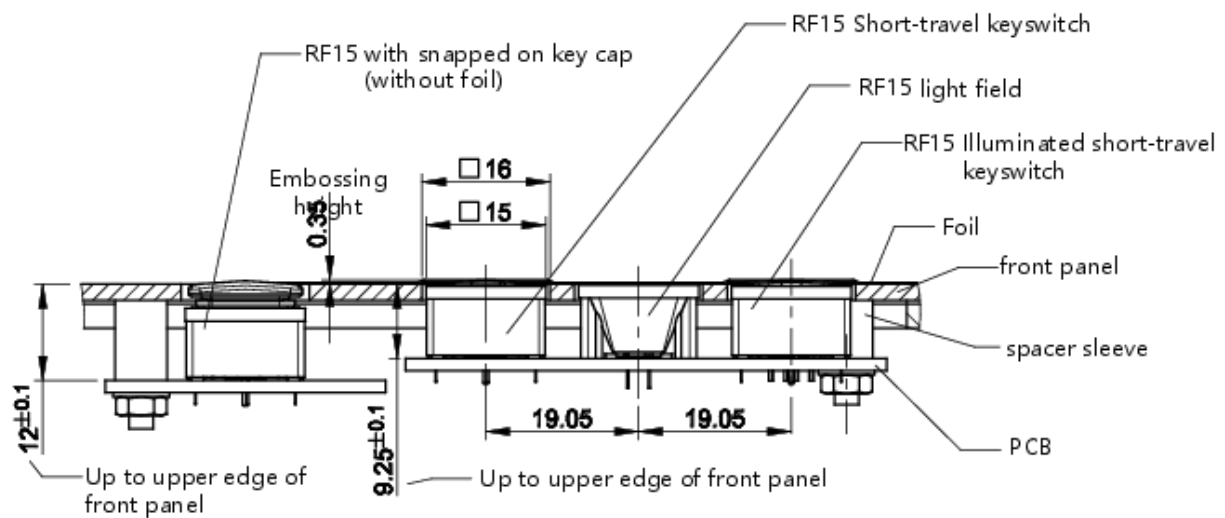
Packaging	Tube
Packaging unit	32 pcs.
net weight	2.8 g
Operating life	1,000,000 cycles
B10	1,300,000 cycles
MOQ order	32 pcs.
RoHS compliant	Yes
REACH compliant	Yes
> mounting diameters	
Outside dimension, length	15 mm
Outside dimension, width	15 mm
Outside dimension, height	9.7 mm
Installation height	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 ± 0.6 N
Switching travel	0.5 ^{+0.3} 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.	2 V
Operating voltage of the luminous element, max.	5 V
Rated voltage, min.	0.02 V
Rated voltage, max.	35 V
Operating current of the luminous element, max.	30 mA
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



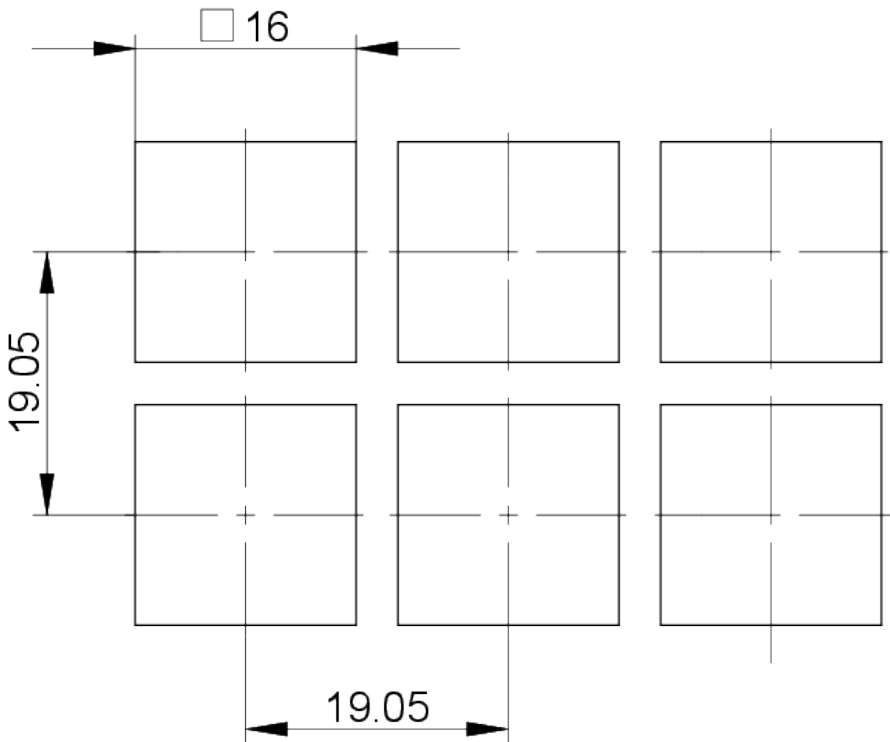
Technical drawing of a square plate with the following dimensions and features:

- Overall width: 1.10 ± 0.10
- Overall height: 1.778
- Distance from top edge to center of top hole: 0.64
- Distance from bottom edge to center of bottom hole: 0.64
- Distance from left edge to center of left hole: 0.64
- Distance from right edge to center of right hole: 0.64
- Distance between centers of top and bottom holes: 2.54
- Distance between centers of left and right holes: 2.54
- Distance between centers of top-left and bottom-right holes: 6.35
- Distance between centers of top-right and bottom-left holes: 6.35
- Four holes are located at the corners of a square with side length 2.54 , centered within the plate.

Button full illumination

[illegible]

front panel drawing



front panel drawing

