

RF 15, silver, non-illuminated, 2,9 \pm 0,6 N, bezel transparent, 1 NO



fields of application

- Measurement-control-regulation
- Mechanical and system engineering
- Automotive
- Electro-medical

special features

- Silver contacts, reliable switching with medium 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 silver tactile switches have a 15 x 15 mm edge length, reliable silver 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.

Kurzhubtaster RF 15 ohne Beleuchtung. 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 | transparent |
| Operating temperature, min. | -25 °C |
| Storage temperature, min. | -25 °C |
| Operating temperature, max. | 70 °C |
| Storage temperature, max. | 70 °C |
| illuminated | No |
| 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 |

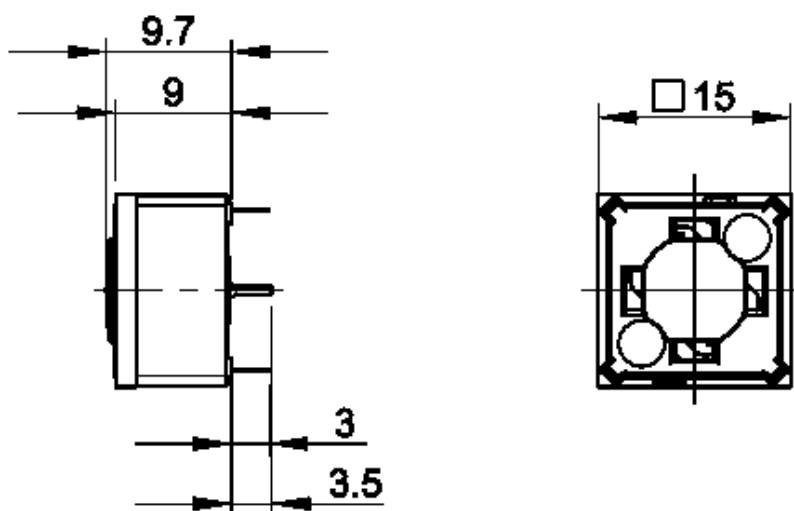
direct links

- [RAFI eCatalog](#)

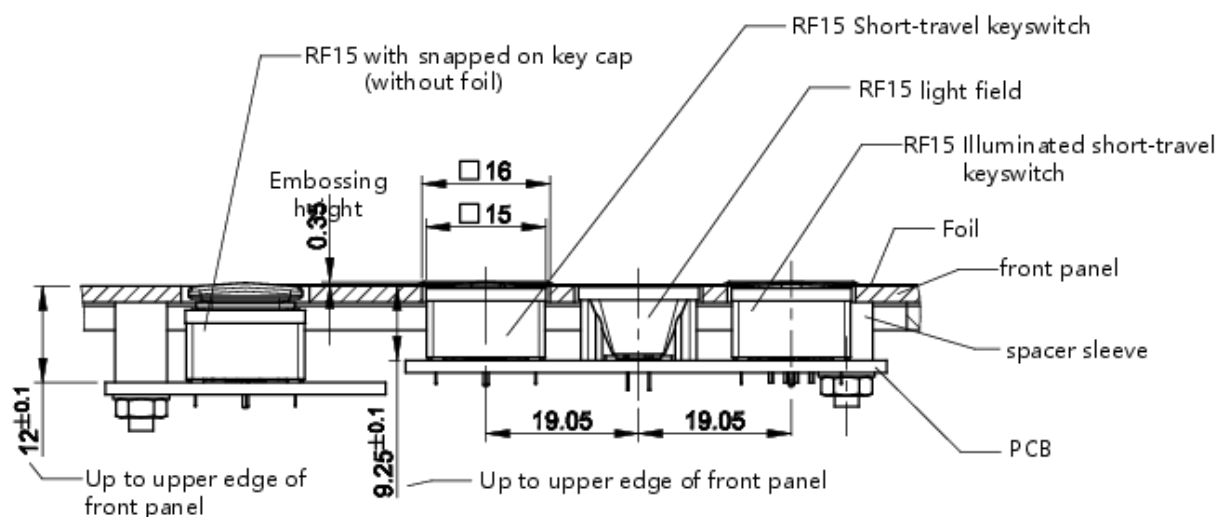
| | |
|---|----------------------------|
| Packaging | Tube |
| Packaging unit | 32 pcs. |
| Operating life | 1,000,000 cycles |
| B10 | 1,300,000 cycles |
| MOQ order | 32 pcs. |
| RoHS compliant | Yes |
| REACH compliant | Yes |
| > mounting diameters | |
| Installation height | 9.7 mm |
| Grid, min. | 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 ^{+0,6} N |
| Switching travel | 0,5 ^{+0,2} mm |
| Contact function | 1 NO |
| Contact system | Snap-action contact |
| Contact material | Silver |
| Fixing | Soldering |
| Terminal on the rear | THT |
| Solderability | Yes |
| > electrical data | |
| Operating voltage of the luminous element, max. | 5 V |
| Rated voltage, min. | 3 V |
| Rated voltage, max. | 35 V |
| Rated current, min. | 0.0001 A |
| Rated current, max. | 0.25 A |
| Rated power, max. | 12.5 W |

drawings

Dimensioned drawing



System drawing



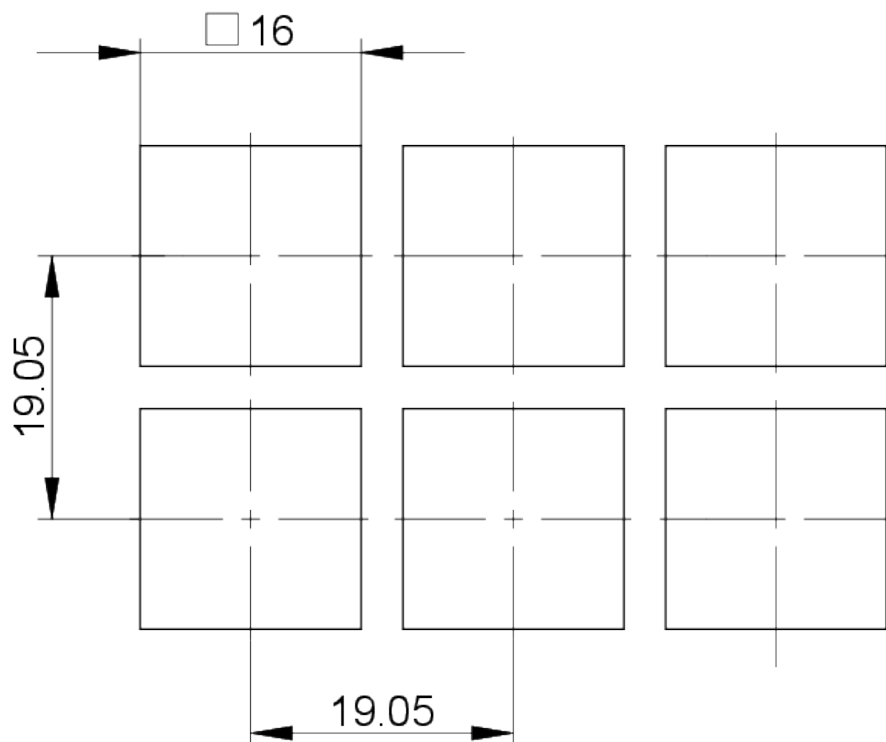
Technical drawing of a rectangular plate with the following dimensions:

- Width: 15.00
- Height: 6.35
- Central hole diameter: $\varnothing 1.10 \pm 0.10$
- Distance from bottom edge to hole center: 1.778

Button not illuminated

The diagram shows a top-down view of a square area divided into six rectangular regions by a grid. The overall dimensions are 19.05 units wide and 19.05 units high. A central region contains a cluster of points labeled '+'. Other regions contain single or pairs of points labeled '+'. Dimensions are indicated by arrows: horizontal distances include 2.54, 5.00, 3.21, 5.8 (labeled '(Led)'), 3.21, 5.00, 1.27, 5.08, 1.27, 5.08, and 19.05; vertical distances include 19.05, (15.24 min.), 12.70, 1.27, 5.08, 1.27, 5.08, and 19.05. Labels include 'light field', 'Button with 2x point illumination', 'Diode' (with a symbol), 'light field', 'Button with full illumination', and 'Button not illuminated'.

front panel drawing



front panel drawing

