

RF 15, gold, spot illumination, $2.9 \pm 0.6 \text{ N}$, lamp yellow, 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 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, Punktausleuchtung mit 1 LED in verschiedenen Farben. Die LED sitzt in der Ecke des Tasters.

technical data

| > general | | |
|--|-------------------------|-----------------|
| Bezel color | transparent | direct links |
| Luminous element color | yellow | > 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 | Spot illumination 1 LED | |
| 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 | |

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 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

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 20 mA

element, max.

Rated current, min. 0.00001 A
Rated current, max. 0.1 A
Rated power, max. 2 W
dropping resistor no

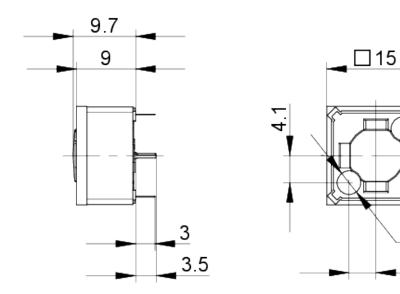


LED

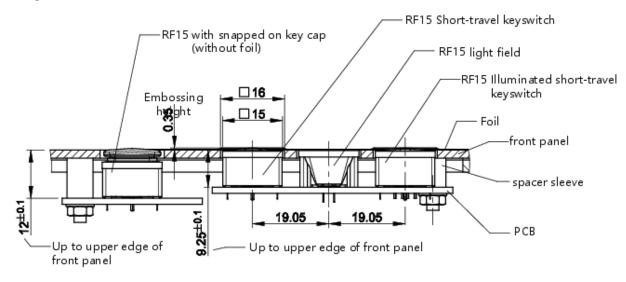
Ø 3.6

drawings

Dimensioned drawing

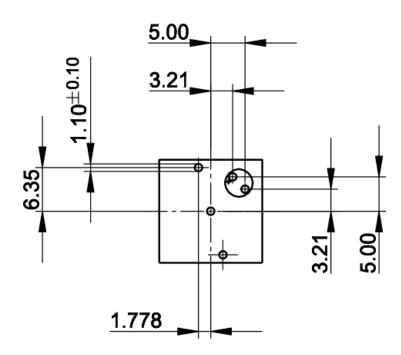


System drawing



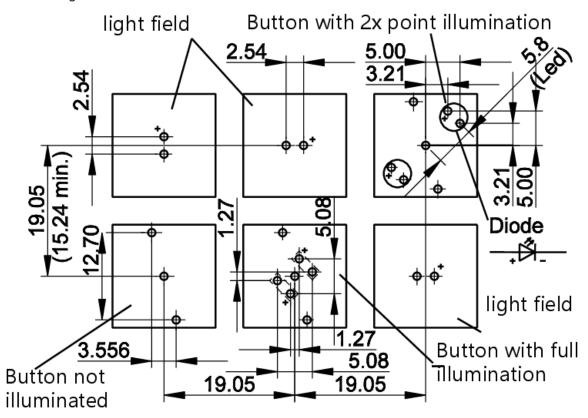


PCB drawing



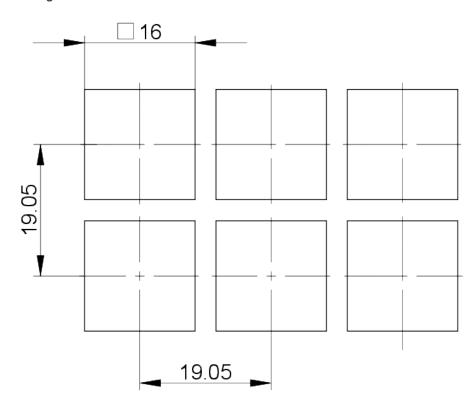
Button with 1x point illumination

PCB drawing





front panel drawing



front panel drawing

