

RF 15, silver, spot illumination, 2.9 ± 0.6 N, lamp green, bezel transparent, 1 NO



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.

RF 15, mit Silber-Kontakten, Punktausleuchtung mit 1 LED in verschiedenen Farben. Die LED sitzt in der Ecke des Tasters.

CE

technical data

>	gene	ral	

Bezel color transparent Luminous element color green

Operating temperature, min. -25 °C 70 °C Operating temperature, max. -25 °C Storage temperature, min. 70 °C Storage temperature, max. illuminated Yes

Luminous elements Spot illumination 1 LED

Soldering time for manual 5 sec

soldering, max.

Soldering temperature for manual 350 °C

soldering

260 °C Soldering temperature for wave

soldering

Soldering Manual / wave DIN EN 60068-2-20 Solder heat resistance according

to standard

Tube Packaging Packaging unit 32 pcs. Net weight 2.6 g

Operating life 1,000,000 cycles 1,300,000 cycles

Minimum order quantity (MOQ) 32 pcs. RoHS compliant Yes REACH compliant Yes DE Country of origin

direct links

> RAFI eCatalog

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. date: Aug 23, 2025 page: 1/5

RAFI GmbH & Co. KG

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> mounting diameters

Outside dimension, length

Outside dimension, width

Outside dimension, height

Installation height

Grid, min.

15 mm

9.7 mm

9.7 mm

19.05 mm

> mechanical data

Terminal on the rear THT

Fixing Soldering

Actuation function momentary contact function

Operating force, min. $2.9 \pm 0.6 \text{ N}$

Contact function 1 NO

Contact system Snap-action contact

Contact material Silver Solderability Yes

Switching travel 0.5^{+0.3} mm

> electrical data

Operating voltage of the luminous 2

element, min.

Operating voltage of the luminous 5 V

element, max.

Rated voltage, min. 3 V
Rated voltage, max. 35 V
Operating current of the luminous 30 mA

element, max.

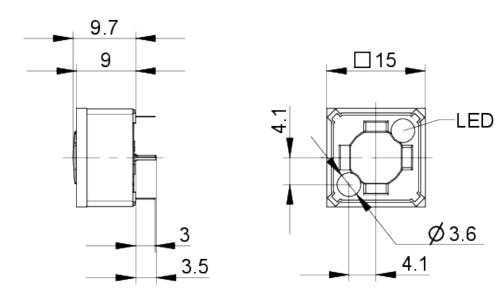
Rated current, min. 0.0001 A
Rated current, max. 0.25 A
Rated power, max. 12.5 W

dropping resistor no

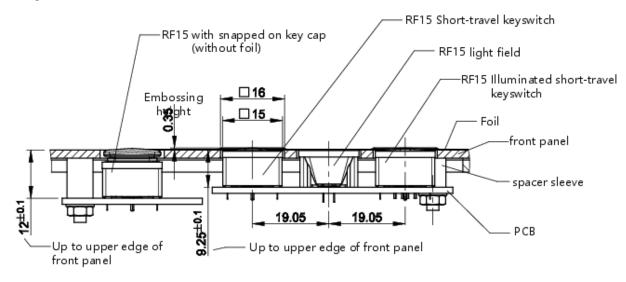


drawings

Dimensioned drawing

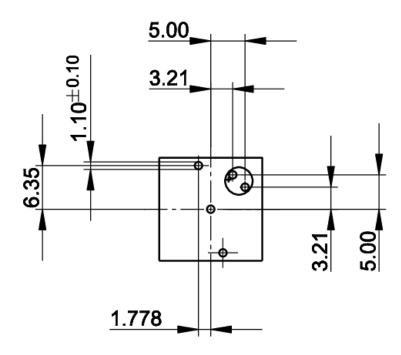


System drawing



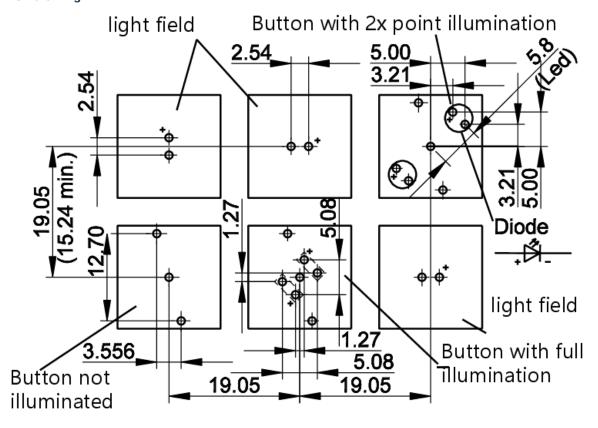


PCB drawing



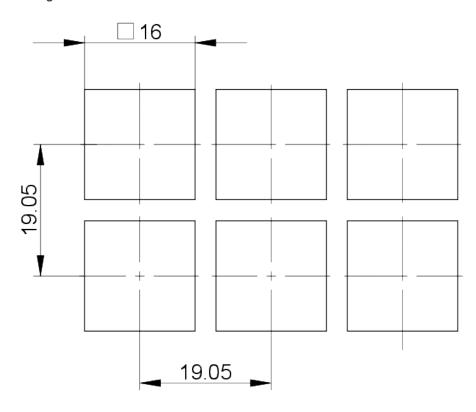
Button with 1x point illumination

PCB drawing

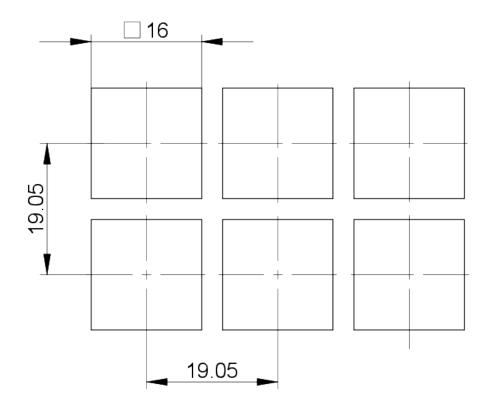




front panel drawing



front panel drawing



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