

# RF 15, silver, spot illumination, 2,9<sup>±0,6</sup> N, lamp green, 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

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## 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.

## technical data

> general		
Bezel color	transparent	direct links
Luminous element color	green	> RAFI eCatalog
Operating temperature, min.	-25 °C	
Storage temperature, min.	-25 °C	
Operating temperature, max.	70 °C	
Storage temperature, max.	70 °C	
illuminated	Yes	
Luminous elements	Spot illumination 1 LED	
Soldering time for manual	5 sec	
soldering, max.		
Soldering temperature for manual	350 °C	
soldering		
Soldering temperature for wave	260 °C	
soldering		
Soldering	Manual / wave	

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## 3.14.100.042/0000



Solder heat resistance according

to standard

Packaging Tube
Packaging unit 32 pcs.
net weight 2.6 g

Operating life 1,000,000 Cycles B10 1,300,000 Cycles

DIN EN 60068-2-20

MOQ order32RoHS compliantYesREACH compliantYes

> 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.  $2.9^{\pm0.6}$  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 2 V

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

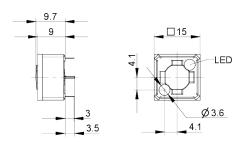
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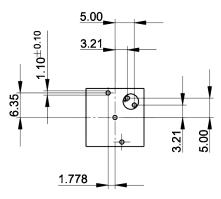


## drawings

## **Dimensioned drawing**

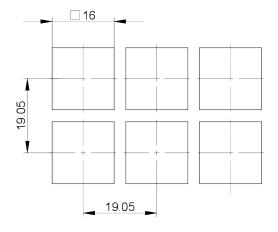


## **PCB** drawing

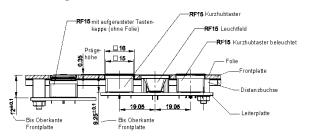


Button with 1x point illumination

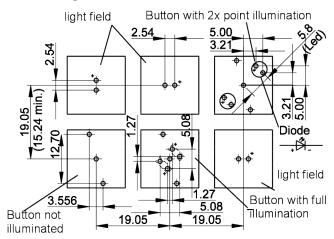
## front panel drawing



## System drawing



## **PCB** drawing



## front panel drawing

