

# RF 15, silver, full illumination, 2,9<sup>±0,6</sup> N, lamp yellow, bezel yellow, 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

CE

## 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, vollflächige Ausleuchtung der Blende zur Ausleuchtung von Fenstern in der Dekorfolie, bzw. transparenten Tastenkappen RK 90.

#### technical data

>	general		
	Bezel color	yellow	direct links
	Luminous element color	yellow	> 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	Full illumination 2 LEDs	
	Soldering time for manual	5 sec	
	soldering, max.		
	Soldering temperature for manual	350 °C	
	soldering		
	Soldering temperature for wave	260 °C	
	soldering		
	Solderina	Manual / wave	

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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## 3.14.200.023/0000



Solder heat resistance according DIN EN 60068-2-20

to standard

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

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 20 mA

element, max.

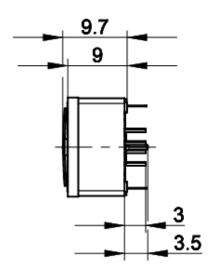
Rated current, min. 0.0001 A
Rated current, max. 0.25 A
Rated power, max. 12.5 W
dropping resistor no

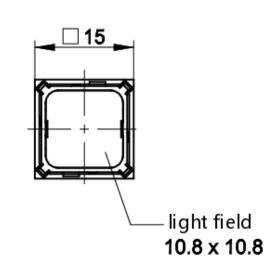
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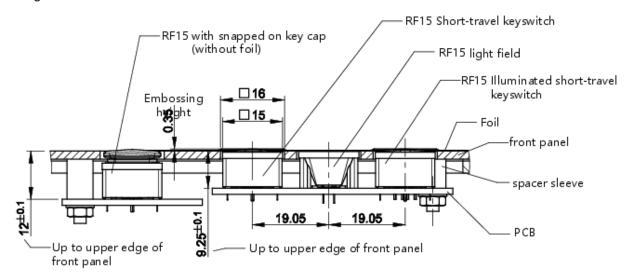
## drawings

#### **Dimensioned drawing**



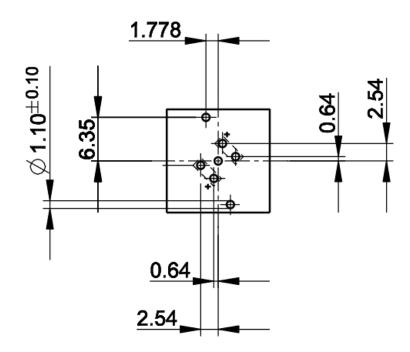


#### System drawing



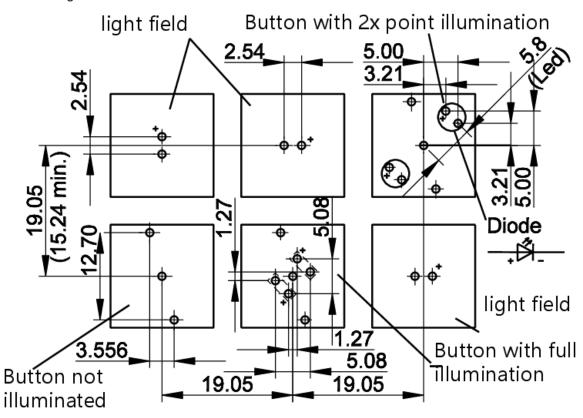


#### **PCB** drawing



Button full illumination

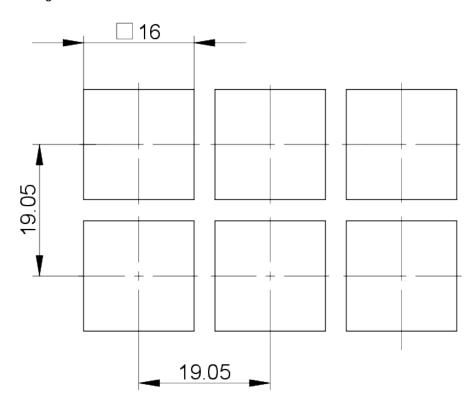
#### **PCB** drawing



# 3.14.200.023/0000



#### front panel drawing



### front panel drawing

