

# RF 15, gold, spot illumination, 2.9 ± 0.6 N, lamp blue, bezel white, 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	white	direct links
Luminous element color	blue	> 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	5 sec	
soldering, max.		
Soldering temperature for manual	350 °C	
soldering		
Soldering temperature for wave	260 °C	
soldering		
Soldering	Manual / wave	
Solder heat resistance according	DIN EN 60068-2-20	
to standard		

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	Packaging	Tube
	Packaging unit	25 pcs.
	net weight	2 g
	Operating life	1,000,000 cycles
	B10	1,300,000 cycles
	MOQ order	25 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 <sup>+0.3</sup> mm
	Contact function	1 NO
	Contact system	Snap-action contact
	Contact material	Gold
	Fixing	Soldering
	Solderability	Yes
	Terminal on the rear	THT
>	electrical data	
	Operating voltage of the luminous	2.7 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.	0.00001.4
	Rated current, min.	0.00001 A
	Rated current, max.	0.1 A
	Rated power, max.	2 W
	dropping resistor	no

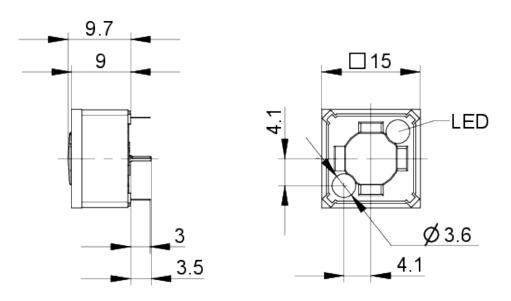
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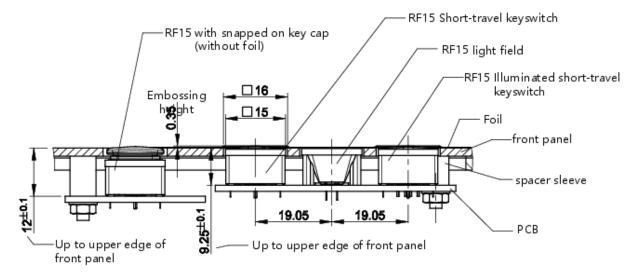


# drawings

# **Dimensioned drawing**



# System drawing



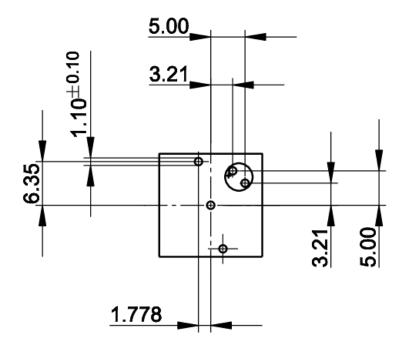
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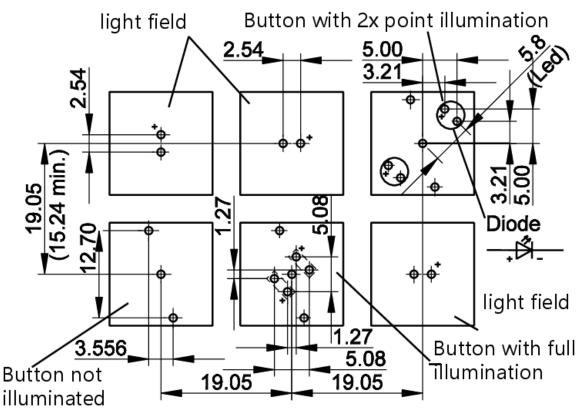


# PCB drawing



Button with 1x point illumination

PCB drawing



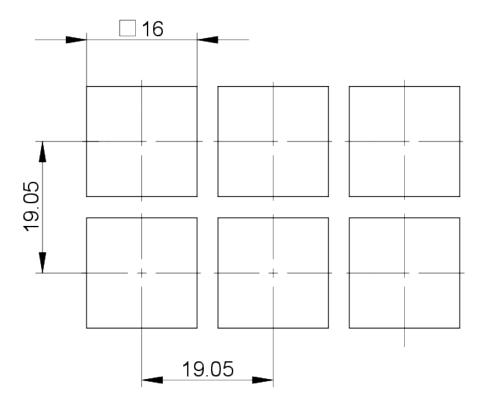
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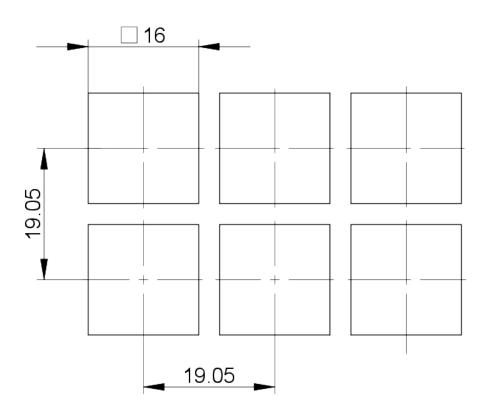
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# front panel drawing



## front panel drawing



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