

RF 15 R, gold, low, spot illumination 1 LED, 2.9 ± 0.6 N, lamp green, 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
- > Round plunger / key switch shape
- > Round cut-outs in the front panel
- > Narrow key grid of 15.24 mm possible
- > Overall height: 9.7 mm or 12.5 mm
- > Terminal technology: THT

CE

description

The RF 15 R 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.

The round pressure pad of the RF 15 R requires round cut-outs in the front panel. These enable a narrow keyboard grid of just 15.24 mm with sufficiently large adhesive strips between the individual key switches. The overlay, which we recommend embossing above the key switches, can be glued onto these strips of glue.

technical data

> general

Luminous element color	green
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	
Packaging	Tube

direct links

> RAFI eCatalog

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technical data sheet

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	Packaging unit	32 pcs.
	net weight	2.4 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.	15.24 mm
>	mechanical data	
	Actuation function	momentary contact function
	Operating force, min.	2.9 ± 0.6 N
	Switching travel	0.5 ^{+0.3} 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 V
	element, min.	
	Operating voltage of the luminous	5 V
	element, max.	0.00.1/
	Rated voltage, min.	0.02 V
	Rated voltage, max.	35 V
	Operating current of the luminous element, max.	30 mA
	Rated current, min.	0.00001 A
	Rated current, max.	0.1 A
	Rated power, max.	2 W
	dropping resistor	no

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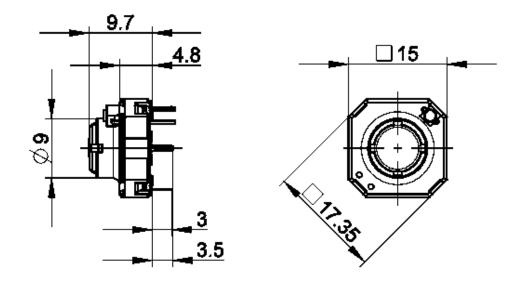
technical data sheet



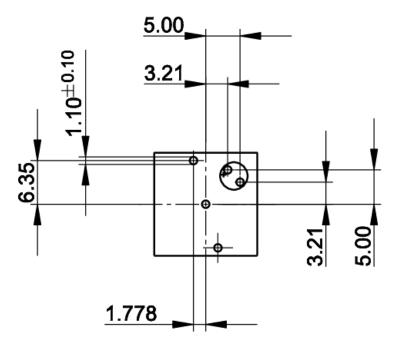


drawings

Dimensioned drawing



PCB drawing



Button with 1x point illumination

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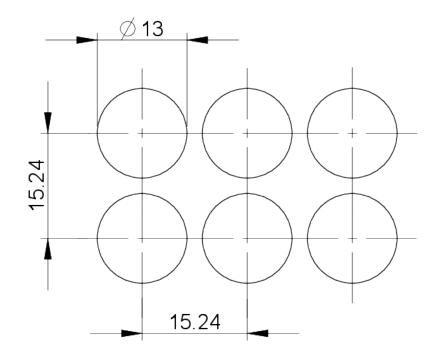
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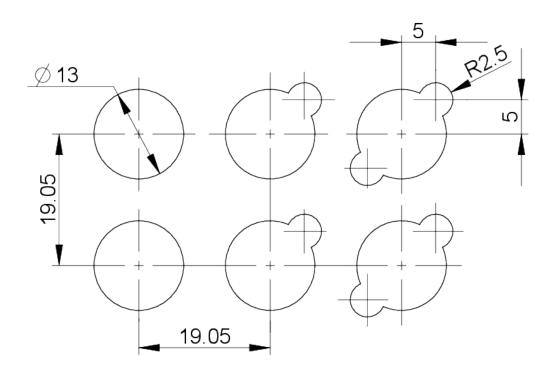
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front panel drawing



front panel drawing



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