

RF 15, silver, full illumination, 2,9^{±0,6} 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 soldering, max.	5 sec	
	Soldering temperature for manual soldering	350 °C	
	Soldering temperature for wave soldering	260 °C	

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	Soldering	Manual / wave	
	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	
	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	
	Operating force, max.	100 N	
	Operating force, min.	2,9 ^{±0,6} 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	ТНТ	
	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	

function

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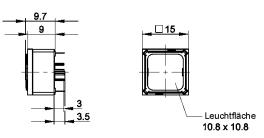
technical data sheet

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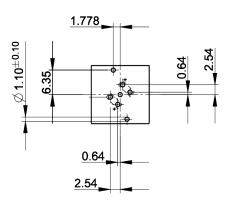


drawings

Dimensioned drawing

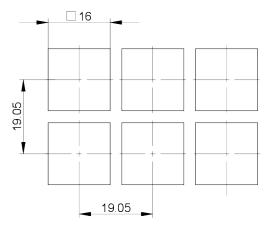


PCB drawing

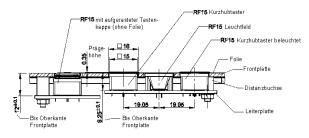


Button full illumination

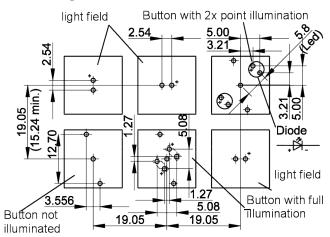
front panel drawing



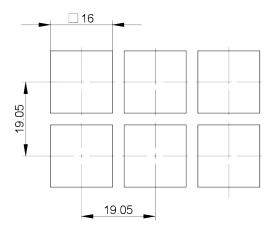
System drawing



PCB drawing



front panel drawing



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