

RF 15, gold, spot illumination, 2,9^{±0,6} N, lamp red, bezel transparent, 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 \times 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		
illuminated	Yes	direct links
Bezel color	transparent	> RAFI eCatalog
Luminous element color	red	
Operating temperature, min.	-25 °C	
Operating temperature, max.	70 °C	
Storage temperature, min.	-25 °C	
Storage temperature, max.	70 °C	
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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Packaging Tube
Packaging unit 32 pcs.
standard delivery time 3 weeks

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

RoHS compliant Yes
REACH compliant Yes

Solder heat resistance according DIN EN 60068-2-20

to standard

MOQ order 32

> 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 Gold

Fixing Soldering

Terminal on the rear THT

Lötbarkeit Yes

> electrical data

Operating voltage of the luminous 24 V

element, max.

Rated power, max.

Rated voltage, min. 0.02 V
Rated voltage, max. 35 V
Rated current, min. 0.00001 A
Rated current, max. 0.1 A

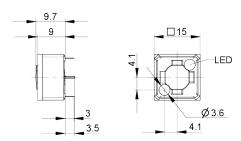
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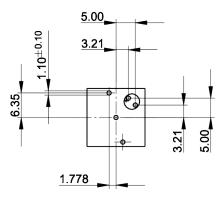


drawings

Dimensioned drawing

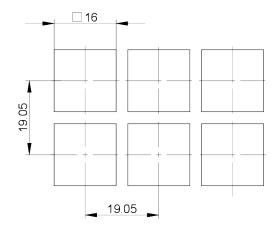


PCB drawing

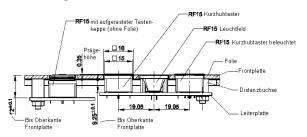


Button with 1x point illumination

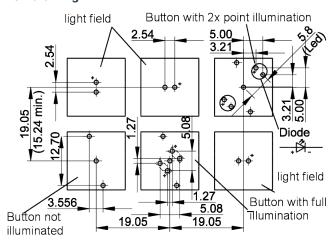
front panel drawing



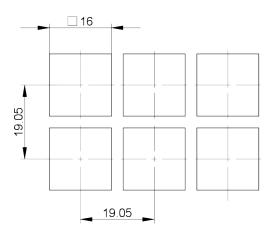
System drawing



PCB drawing



front panel drawing



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