RF 19, silver, full illumination, 2.9 ± 0.6 N, lamp yellow, bezel orange, 1 NO

DISCONTINUED

Description

The RF 19 silver tactile switches have a 19 x 19 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 19 elements should be constructed in a 23 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.

CE

technical data

› general

Bezel color	orange
Luminous element color	yellow
Operating temperature, min.	-25 °C
Operating temperature, max.	70 °C
Storage temperature, min.	-25 °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
Soldering	Manual / wave
Solder heat resistance according to standard	DIN EN 60068-2-20
Packaging	Tube
Packaging unit	25 pcs.
net weight	5.5 g
Operating life	1,000,000 cycles
B10	1,300,000 cycles
Environment resistance	IEC 60068-2-14
	IEC 60068-2-30
	IEC 60068-2-33
	IEC 60068-2-78
Minimum order quantity (MOQ)	25 pcs.
RoHS compliant	Yes

direct links

> RAFI eCatalog

REACH compliant	Yes

> **mounting diameters**

Outside dimension, length	19.05 mm
Outside dimension, width	19.05 mm
Outside dimension, height	9.7 mm
Installation height	9.7 mm
Grid, min.	23 mm

> **mechanical data**

Actuation function	momentary contact function
Operating force, max.	100 N
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	Silver
Fixing	Soldering
Solderability	Yes
Terminal on the rear	THT

> **electrical data**

Operating voltage of the luminous element, min.	2 V
Operating voltage of the luminous element, max.	5 V
Rated voltage, min.	3 V
Rated voltage, max.	35 V
Rated current, min.	0.0001 A
Rated current, max.	0.25 A
Rated power, max.	12.5 W
dropping resistor	no

RAFI

drawings

Dimensioned drawing

light field
14.5 x 14.5

System drawing

date: May 9, 2025 **page**: 3/4
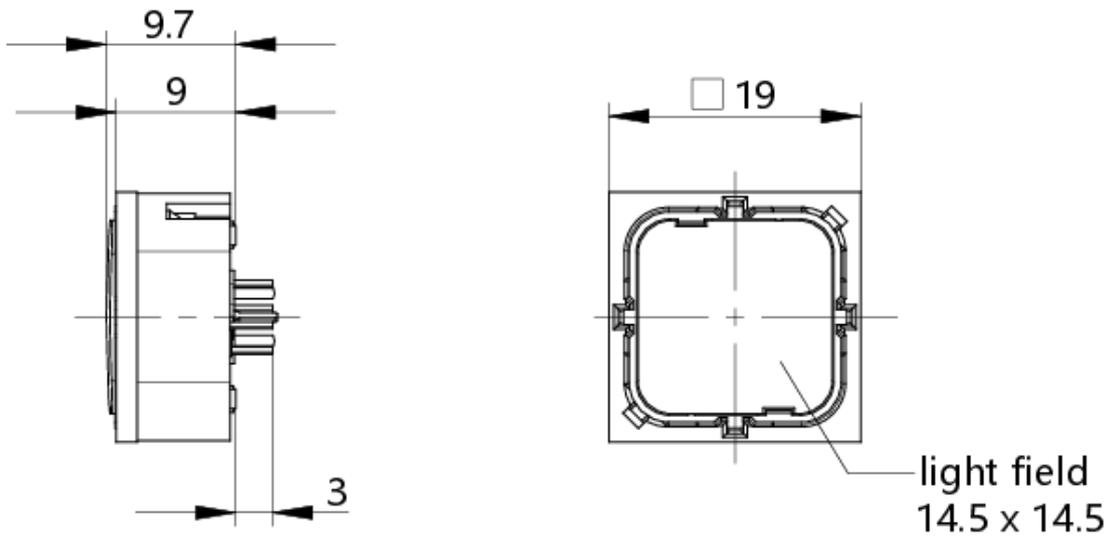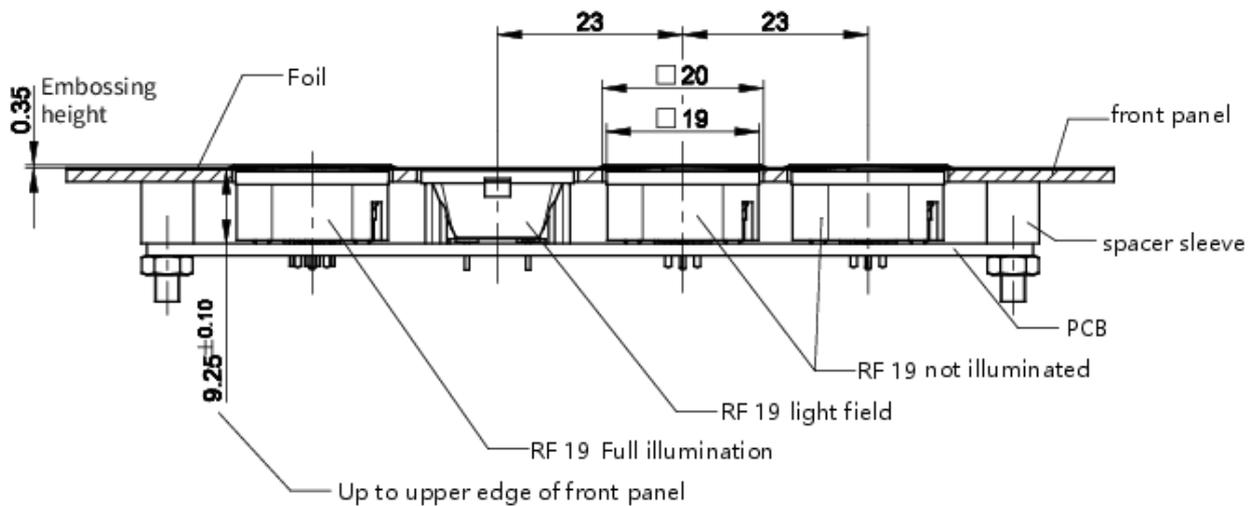
front panel drawing

☐ 20

22.86

22.86
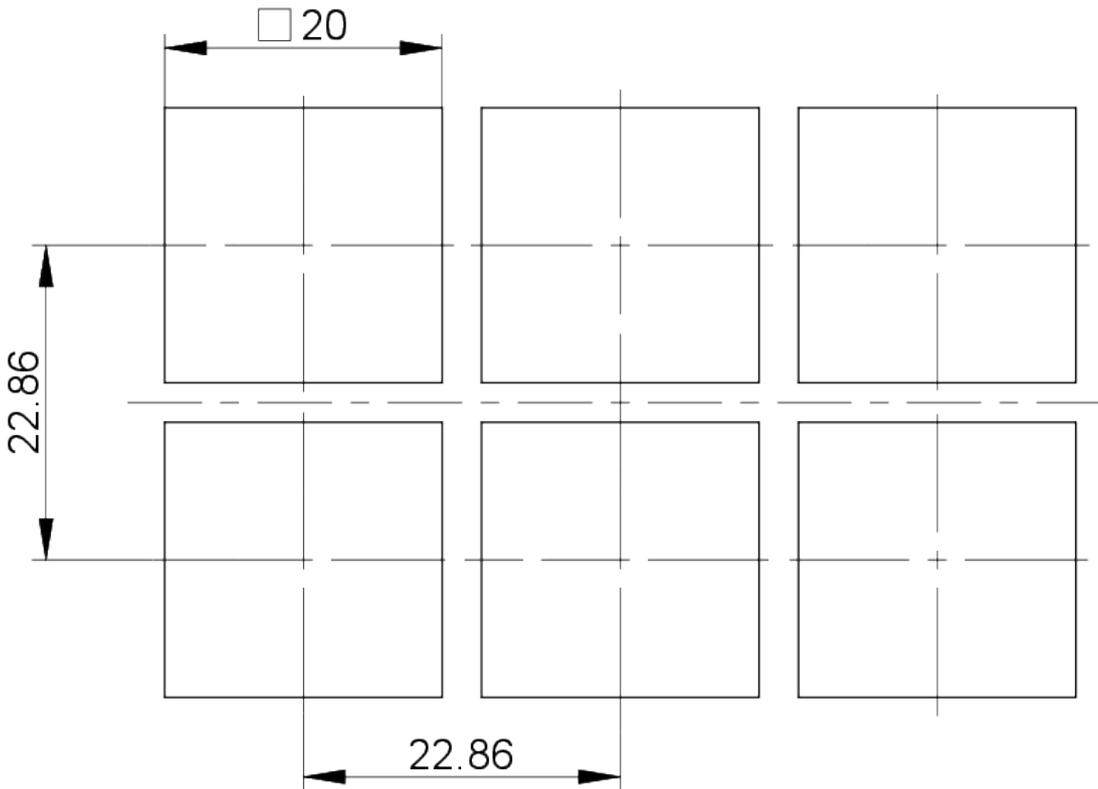
Circuit diagram
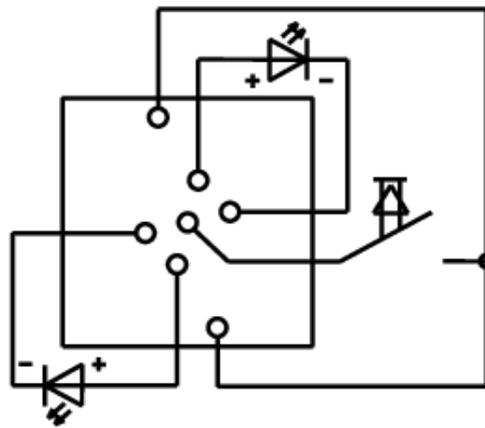
Button full illumination