RF 15, gold, non-illuminated, 2.9 ± 0.6 N, 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 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.

Wenn Wechselbeschriftungen benötigt werden, oder wenn die Bauhöhe von 12,5 mm erreicht werden soll, kann auf die unbeleuchteten Tasten eine Tastenkappe aufgerastet werden. Die Beschriftung der Tastenkappe wird durch ein Fenster in der Dekorfolie sichtbar. Für einen Beschriftungswechsel kann die Tastenkappe ausgetauscht werden.

technical data

general

Bezel color	transparent
Operating temperature, min.	-25 °C
Operating temperature, max.	70 °C
Storage temperature, min.	-25 °C
Storage temperature, max.	70 °C
illuminated	No
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

direct links

- RAFI eCatalog

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Packaging	Tube
Packaging unit	32 pcs.
net weight	2.5 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.	19.05 mm

mechanical data

Actuation function	momentary contact function
Operating force, max.	100 N
Operating force, min.	2.9 ± 0.6 N
Switching travel	$0{,}5^{+0{,}2}$ 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 element, max.	5 V
Rated voltage, min.	0.02 V
Rated voltage, max.	35 V
Rated current, min.	0.00001 A
Rated current, max.	0.1 A
Rated power, max.	2 W

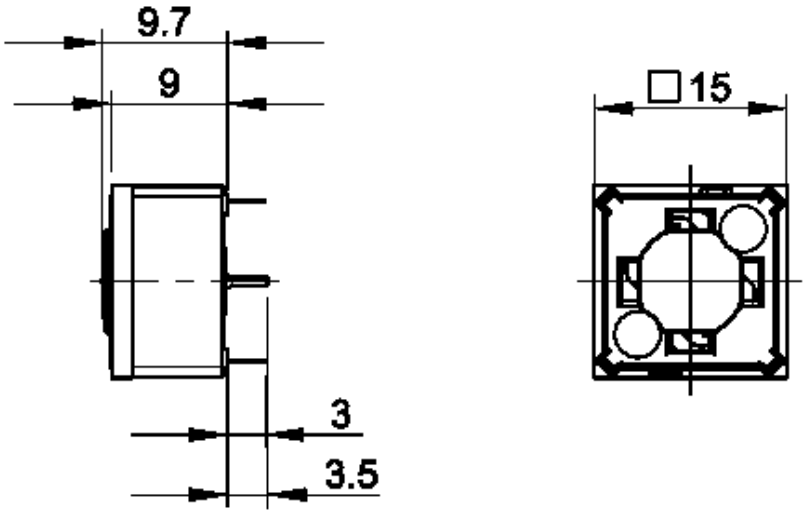
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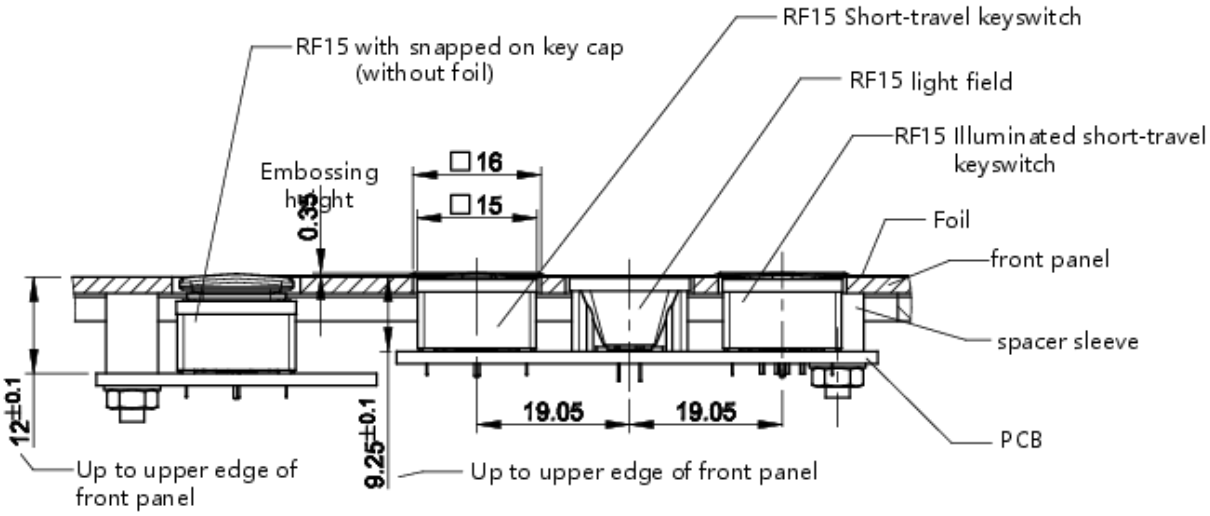
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drawings

Dimensioned drawing



System drawing

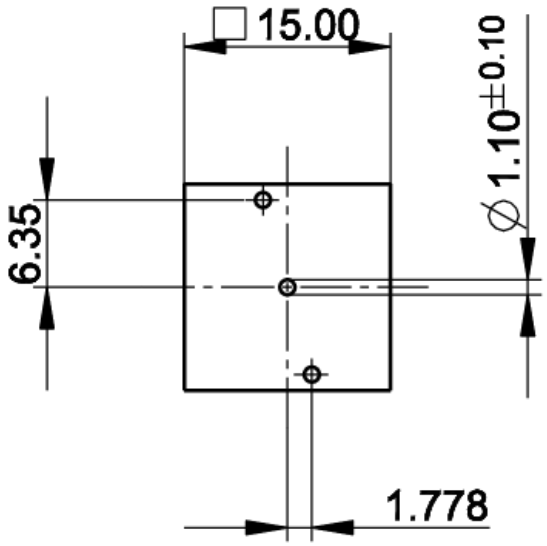


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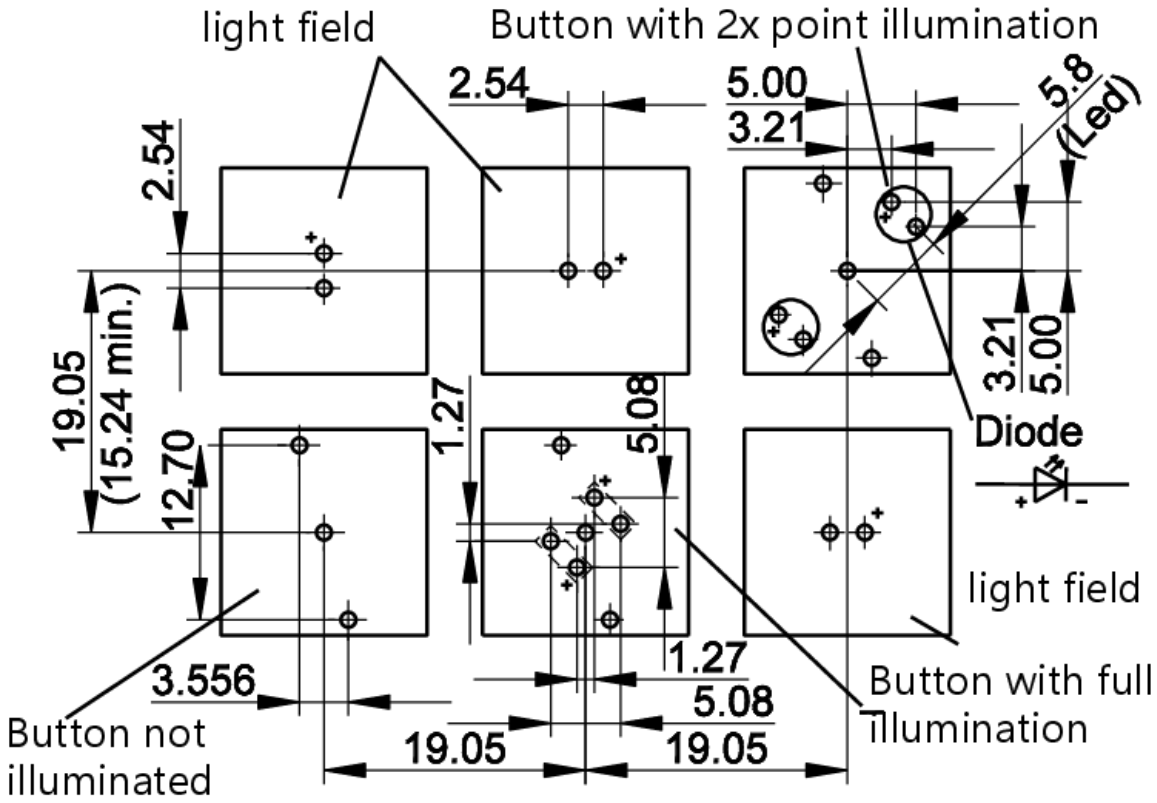
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PCB drawing



Button not illuminated

PCB drawing

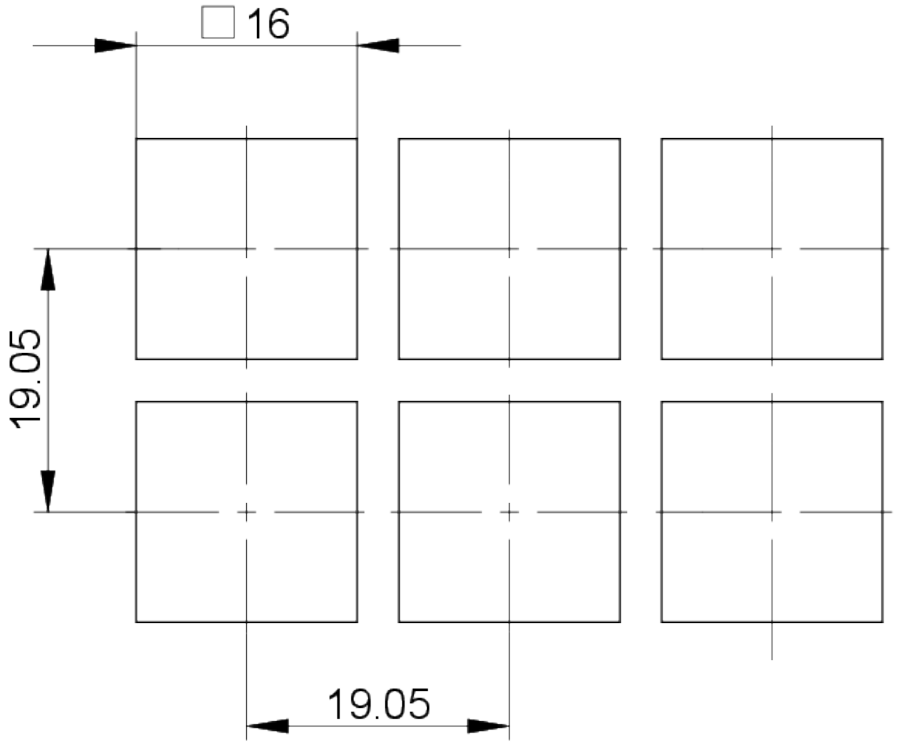


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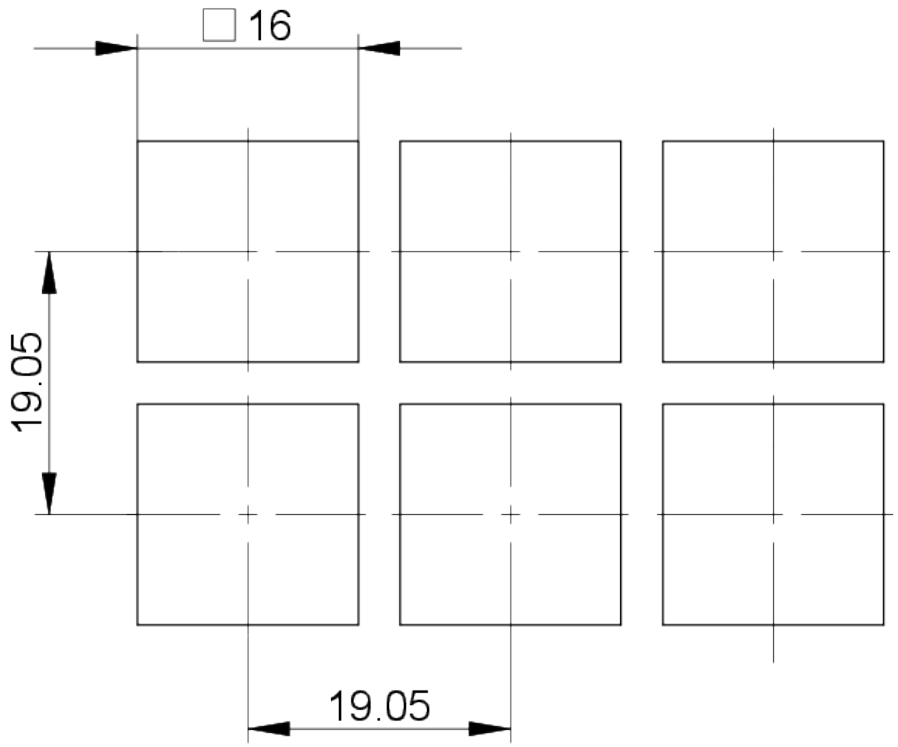
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front panel drawing



front panel drawing



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