RF 15 N, gold, non-illuminated, 2.9 ± 0.6 N, 1 NO



fields of application

- Measurement-control-regulation
- Mechanical and system engineering
- Automotive
- Electro-medical

special features

- Gold contacts, reliable switching with low currents
- Narrow key grid of 15.24 mm possible
- Low overall height, just 6.2 mm
- Variable overall height due to snap-on plunger
- Optional: spot illumination
- Terminal technology: THT

CE

description

The RF 15N key switch enables a very low overall height of 6.2 mm. The overall height can be varied using the extension plunger, which is snapped into the cross-like recess in the pressure pad.

Up to an overall height of 10 mm (i.e. with or without the small plunger), LEDs can only be positioned on the PCB separately, next to the key switches. From an overall height of 12 mm, a maximum of 2 LEDs can also be plugged into locating indents in the key switch housing. To achieve satisfactory illumination, the LEDs should be placed on LED spacer sleeves from an overall height of 12.5 mm.

technical data

general

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
Packaging	Tube
Packaging unit	32 pcs.
net weight	1.6 g
Operating life	1,000,000 cycles
B10	1,300,000 cycles

direct links

- RAFI eCatalog

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RAFI GmbH & Co. KG

Ravensburger Str. 128-134
88276 Berg / Ravensburg
Germany
www.rafi-group.com,
info.headquarters@rafi-group.com

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	6.2 mm
Installation height	6.2 mm
Grid, min.	19.05 mm

mechanical data

Actuation function	momentary contact function
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

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

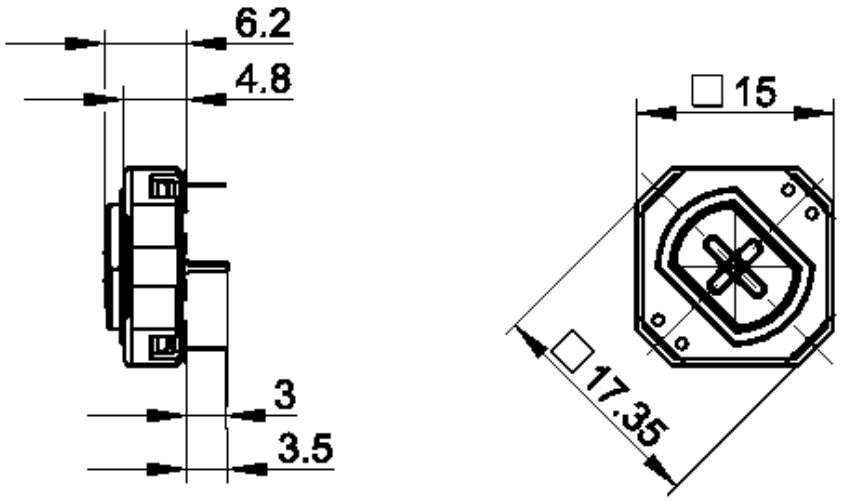
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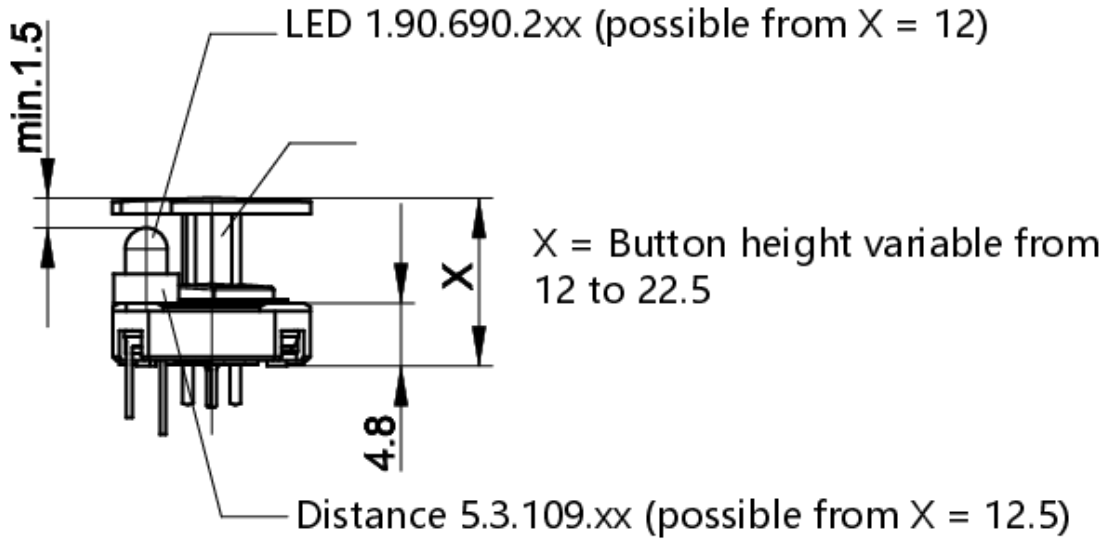
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drawings

Dimensioned drawing



Dimensioned drawing



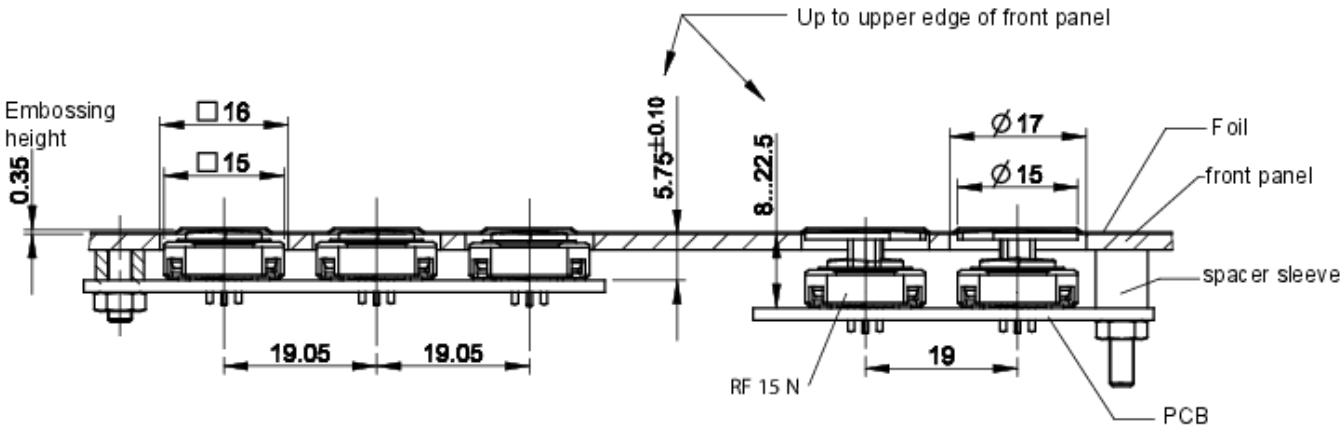
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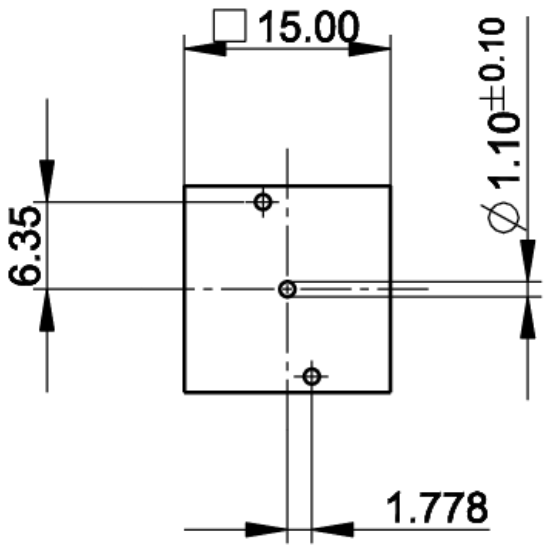
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Germany
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System drawing



PCB drawing



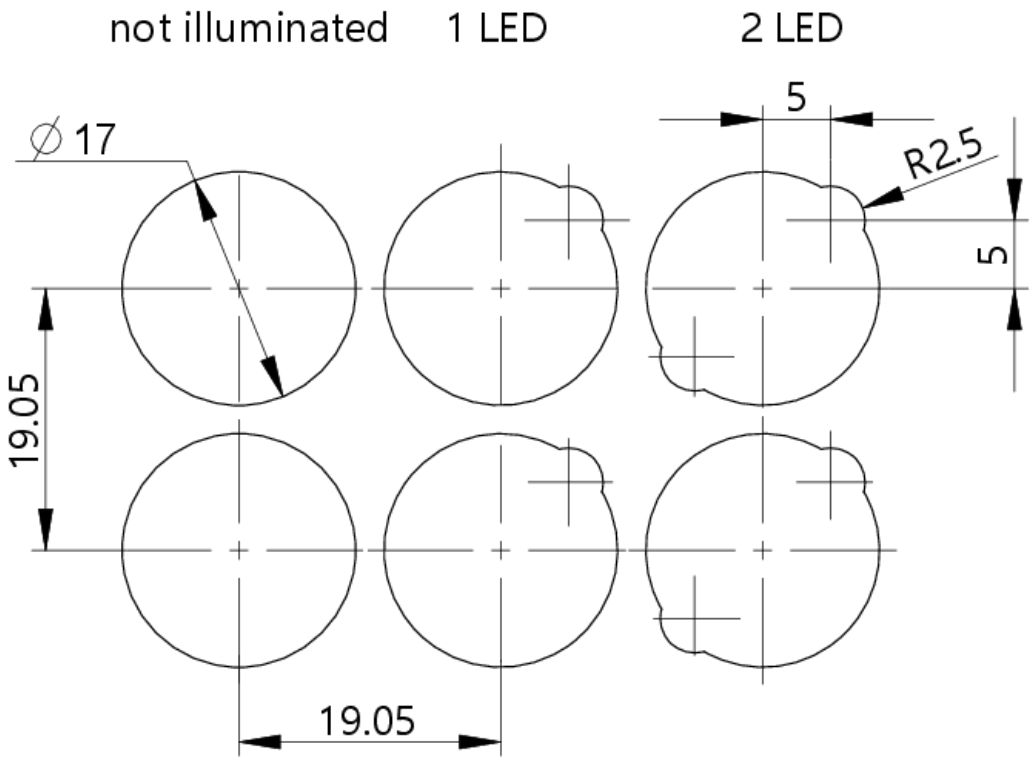
Button not illuminated

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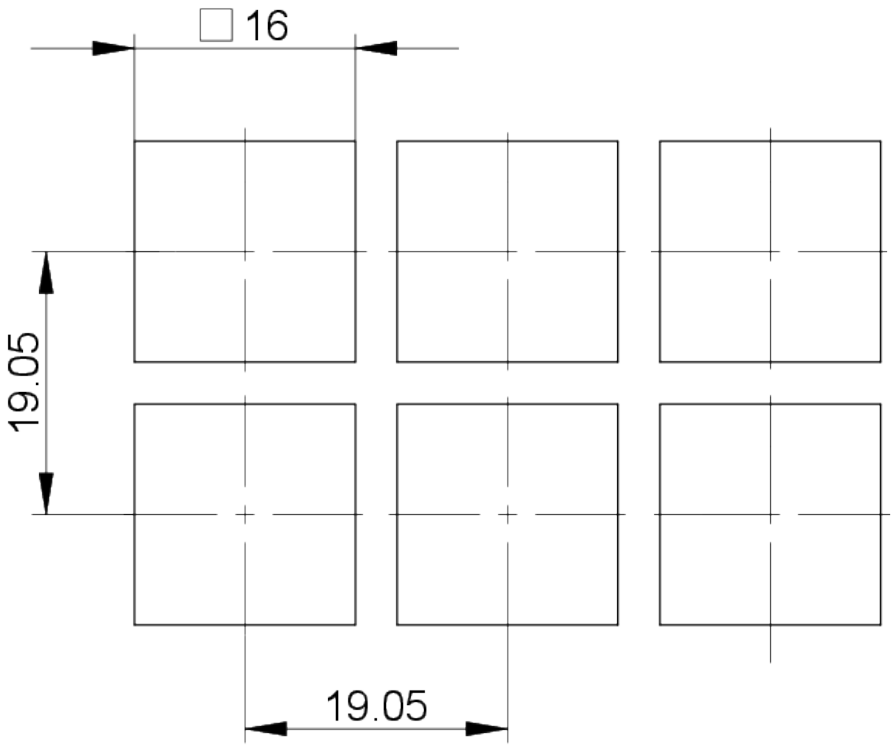
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front panel drawing



front panel drawing

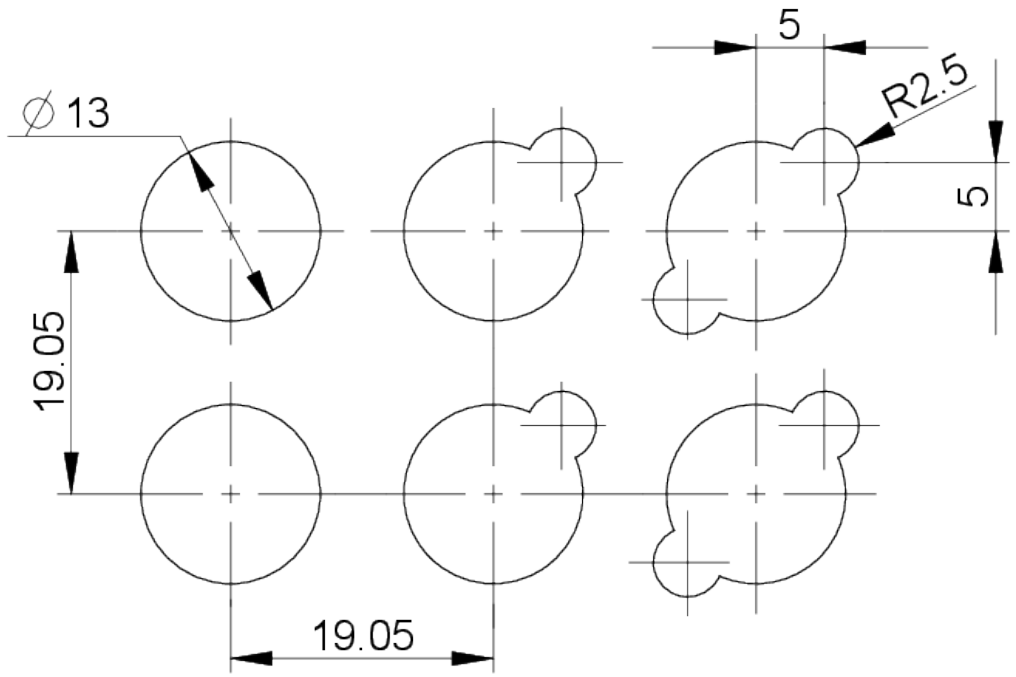


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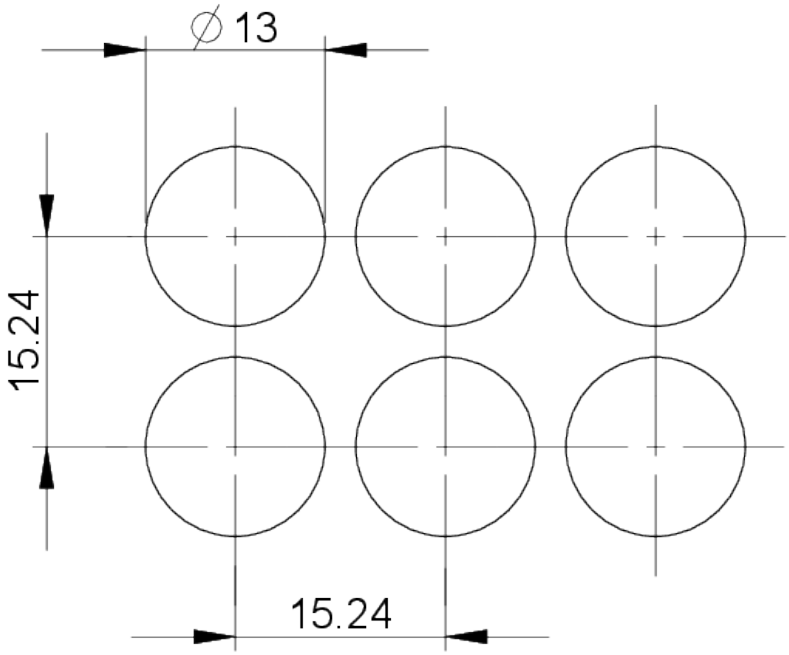
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front panel drawing



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