

**RF 19 - Short-travel keyswitch, fully illuminated with 2 LED,  
gold contacts**  
**3.14.002.012/0000**


**General information**

Colour of lens	green
Recommended key grid	23 mm

**Dimensions**

Length	19.05 mm
Width	19.05 mm
Overall height	9.7 mm

**Mechanical design**

Mounting	soldering in PCB
Terminals	THT
Contact system	snap-action contact
Contact arrangement	1 NO
Contact materials	Au
Illumination	fully illuminated 2 LED
LED colour	green
LED type	2 mm

**Mechanical characteristics**

Operating force max.	2.9±0.6 N
Switching travel	0.5+0.2 mm
Robustness min.	with through-plated PCB 100 N

**Electrical characteristics**

Rated voltage min.	Au: 0.02 V, Ag: 3 V
Rated voltage max.	Au: 35 V, Ag: 50 V
Rated current min.	Au: 0.01 mA, Ag: 0.1 mA
Rated current max.	Au: 100 mA, Ag: 250 mA
Rated power max. (ohmic load)	Au: 2 W, Ag: 12.5 W
Contact resistance when new max.	100 mΩ
Insulation resistance	109 Ω

**Other specifications**

Ambient temp. operating min.	-25 °C
Ambient temp. operating max.	+70 °C
Environmental resistance	acc. to IEC 60068-2-14, -30, -33 and -78
Operating life min. (operations)	1,000,000 cycle
Solderability / solder heat resistance	according to E DIN IEC 600 28-2-20
Wave soldering	260 °C max.
Manual soldering	350 °C / 5 sec. max.

