

**RF 19 short-travel keyswitch, fully illuminated with 2 LED, gold contacts**
**3.14.002.011/0000**

**General information**

Colour of lens	red
Recommended key grid	23 mm

**Dimensions**

Overall height	9.7 mm
Width	19.05 mm
Length	19.05 mm

**Electrical characteristics**

Contact resistance acc. to life max.	3 Ω
Contact resistance when new max.	100 mΩ
ESD strength (underneath overlay)	15 kV
Insulation resistance	10 <sup>9</sup> Ω
Bouncing time max.	5 ms
Rated power max. (ohmic load)	2
Rated voltage max.	42
Rated voltage min.	0.02
Rated current max.	100
Rated current min.	0.01

**Mechanical characteristics**

Robustness min.	with through-plated PCB 100 N
Operating force max.	2 ... 3 N
Operating travel	0,5 <sup>+0,2</sup> mm
Switching travel	0,5 <sup>+0,2</sup> mm

**Mechanical design**

Terminals	Au: spring contact tin-plated, fix contact AG-plated
Mounting	soldering in PCB
Illumination	fully illuminated 2 LED
Contact arrangement	1 NO
Contact system	snap-action contact
Contact materials	Au
LED colour	red
LED type	2 mm

**Other specifications**

Ambient temp. operating max.	+70 °C
Ambient temp. operating min.	-25 °C
Flammability of materials	UL 94 HB
Manual soldering	350 °C / 5 sec. max.
Resistance to constant environment	according to IEC 600 68-2-3 and 2-30
Storage temperature max. (product)	+80 °C

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Storage temperature max. (in tube)	+50 °C
Storage temperature min.	-40 °C
Operating life min.	1000000
Solderability	according to E DIN IEC 600 28-2-20
Resistance at variable environment	according to IEC 600 68-2-14 and 2-33
Wave soldering	260 °C max.

MASS

