

RF 19 - Tactile switch, 1 LED spot-illumination, silver contacts

3.14.001.041/0000



General information

Color of lens	transparent
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	Ag
Illumination	spot illumination 1 LED
LED color	red
LED type	3 mm

Mechanical characteristics

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

Electrical characteristics

Rated voltage min.	Au: 0.02 V, Ag: 3 V
Rated voltage max.	35 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	10 ⁹ 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 DIN EN 60068-2-20
Wave soldering	260 °C max.
Manual soldering	350 °C / 5 sec. max.

