

## RF 19 - Tactile switch, non-illuminated, silver contacts

1.16.000.990/0000



### General information

Color of lens	opaque white
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	contacts tin-plated, fix contact Ag plated
Contact system	bridge contact
Contact arrangement	1 NC + 1 NO
Contact materials	Au/Ag
Illumination	none

### Mechanical characteristics

Operating force max.	2 ... 3 N
Operating travel	0.5 <sup>+0.2</sup> mm
Switching travel	0.5 <sup>+0.2</sup>
Robustness max.	100 with through-plated PCB N

### Electrical characteristics

Rated voltage min.	Au: 0.02 V, Ag: 3 V V
Rated voltage max.	Au: 42 V, Ag: 50 V V
Rated current min.	Au: 0.01 mA, Ag: 0.1 mA mA
Rated current max.	Au: 100 mA, Ag: 250 mA mA
Rated power max. (ohmic load)	Au: 2 W, Ag: 12.5 W
Contact resistance when new max.	100 mΩ
Contact resistance acc. to life max.	3 Ω
Insulation resistance	2 x 10 <sup>6</sup> Ω
ESD strength (underneath overlay)	15 kV
Bouncing time max.	5 ms

### Other specifications

Ambient temp. operating min.	-25 °C
Ambient temp. operating max.	+70 °C
Storage temperature min.	-40 °C
Storage temperature max. (product)	+80 °C

Storage temperature max. (in tube)	+50 °C
Environmental resistance	acc. to IEC 60068-2-14, -30, -33 and -78
Operating life min. (operations)	100,000 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.
Flammability of materials	-
ROHS compliant	yes
REACH compliant	yes

