

RF 19 - Tactile switch, non-illuminated, gold contacts

1.16.000.991/0000



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 ^{+0.2} mm
Switching travel	0.5 ^{+0.2}
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 ⁶ 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

