

RF 19 short-travel keyswitch, fully illuminated with 2 LED, gold contacts
3.14.002.013/0000

General information

Colour of lens	yellow
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 m Ω
ESD strength (underneath overlay)	15 kV
Insulation resistance	10 ⁹ Ω
Bouncing time max.	5 ms
Rated power max. (ohmic load)	2 W
Rated voltage max.	42 V
Rated voltage min.	0.02 V
Rated current max.	100 mA
Rated current min.	0.01 mA

Mechanical characteristics

Robustness min.	with through-plated PCB 100 N
Operating force max.	2 ... 3 N
Operating travel	0,5 ^{+0,2} mm
Switching travel	0,5 ^{+0,2} 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	yellow
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

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

