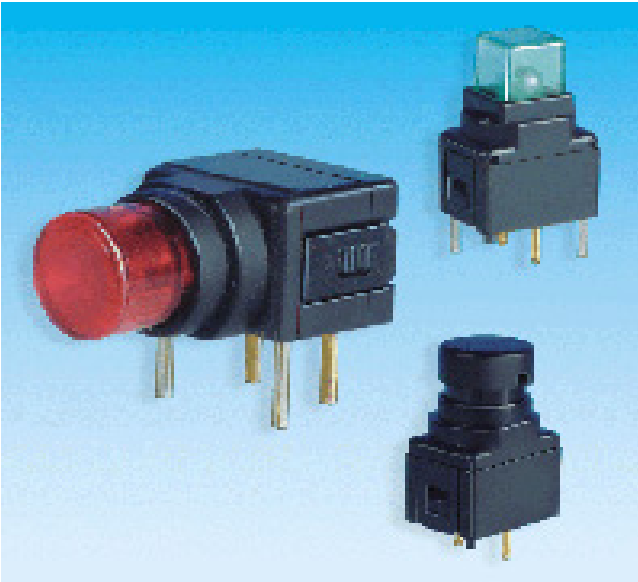


Push Button Switch 456



Specifications	Single pole change over contact
Dimensions	9.6 x 7.2 x 15 mm
Pining	DIL spacing

A single pole push button switch, for horizontal or vertical PC-board mounting. A Light Emitting Diode (LED) can be integrated optionally into the push button.

The switching function is well sensible by the used switch element.

The pinings are well protected by a housing made of high grade plastic material.

The use of a neopren switching element with high temperature resistance and an exact switching movement guarantees a high reliability of mechanical and electrical features within a long life period.

Optional a 3 mm LED could be integrated into the actuator, driven independant of the switching contact.

The outline dimensions of both versions (horizontal or vertical mounted) allows to set the switches in minimized spacings.

Keyboards and switching-arrays can be easily done, additional with the integrated LED within a new "night-design".

Direct solderable into PC-boards.

technical data

Construction

Function: bbm
Pining: 2,54 mm

Electrical datas

Switching voltage: max. 6 V
Switching current: max. 10 mA

Outline dimensions: see drawings

Contact resistance: < 900 mOhm

Insulation resistance: > 100 MOhm

Insulation materials

Housing: Thermoplast UL-94-V0

Contact body: Thermoplast UL-94-V0

Actuator: Thermoplast UL-94-HB

Mechanical datas

Life expectancy: > 100.000 operations

Operating temperature: -20°C to +70°C

Storage temperature: -30°C to +80°C

Soldering time / conditions: max 3 sec. +245°C, wave

Operating force: > 2,0 N

Contact materials

Fixed contacts: Cu Sn gal. Ni3 Au1

Sliding contacts: contact elastomer

Pins: Cu Sn gal. Ni3 Au1

Typical values

Wavelength at peak emission: Red : 635 +/- 15nm

Yellow : 560 +/- 15nm

Green : 590 +/- 15nm

Dominant wavelength: Red : 628nm

Yellow : 592nm

Green : 561nm

Forward voltage: Red : 2,9 (<=1,6) V

Yellow : 2,9 (<=1,6) V

Green : 2,9 (<=1,6) V

Reverse current: 0,01 (=10) µA

Capacity: Red : 12 pF

Yellow : 10 pF

Green : 45 pF