

# Push Button Switch 457

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A one pole push button switch, within the outline dimensions of 15 x 15 mm and an illuminated actuator. Different pictograms can be installed within the actuator.

The outline dimensions allows a keyboard configuration.

Illumination of the actuator is done by four LED's in red, green or yellow.

<b>Specifications</b>	Single pole push button, illuminated
<b>Dimensions</b>	15 x 15 x 15 mm
<b>Pining</b>	DIL spacing

## *technical data 1*

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### **Construction**

Pining: 2,54 mm  
Outline dimensions: see drawings

### **Insulation materials**

Housing: Thermoplast UL-94-V0  
Contact body: Thermoplast UL-94-V0  
Actuator:

### **Contact materials**

Fixed contacts: Cu Zn gal. Au1

### **Mechanical datas**

Life expectancy: > 100.000 operations  
Operating temperature: -20°C to +70°C  
Storage temperature: -30°C to +80°C  
Soldering time / conditions: 3 sec. +245°C  
> 2,0 N  
Operating force:

### **LED maximum ratings**

Reverse voltage: 5 V  
forward current: 45 mA  
Surge current: 1 A  
Storage temperature: -55°C bis +100°C  
Junction temperature: +100°C  
Power dissipation: 150 mW

### **Electrical datas**

Switching voltage: max. 6 V

Sliding contacts:	Contactelastomer	Switching current:	max. 10 mA
Switch pins:	Cu Zn gal. Au	Contact resistance:	< 1 kOhm
LED pins:	Sn	Insulation resistance:	> 100 mOhm

### **Typical values**

Wavelength at peak emission:	Red : 635 +/- 15nm
	Yellow : 560 +/- 15nm
	Green : 590 +/- 15nm
	Red : 628nm
Dominant wavelength:	Yellow : 592nm
	Green : 561nm
	Red : 2,0 (<=2,6) V
Forward voltage:	Yellow : 2,0 (<=2,6) V
	Green : 2,0 (<=2,6) V
	0,01 (=10) µA
Reverse current:	Red : 12 pF
Capacity:	Yellow : 10 pF
	Green : 45 pF