

Activated by the touch of a finger, our **Capacitive Switches** are ideal for many repetitive applications requiring a **rugged sealed** and **easy** to use switch solution.



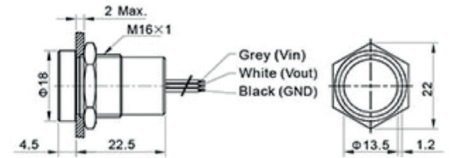
- ⊕ Sealed to IP68 and IP69K
- ⊕ Momentary or latching functions
- ⊕ Large or thin ring illumination options
- ⊕ Long life operation – 50 million of cycles
- ⊕ 16, 19, 22 or 25mm diameter options
- ⊕ Easy to use and clean
- ⊕ Extremely robust and durable – IK10 rated
- ⊕ No operating force required – ideal for repetitive applications
- ⊕ Activated by the touch of a finger – even with surgeon gloves
- ⊕ Natural, black and red anodised options as well as 316L stainless steels

16mm Illuminated



MC16

- ⬡ Illuminated
- ⬡ 300 mm lead

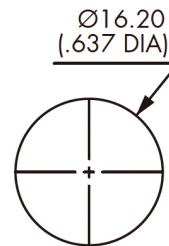


### Specification

### MC16

Type	Momentary / Latching
Materials	Case: Aluminium, Anodised and Stainless Steel  Multi-wire leads setion 0.22mm <sup>2</sup> (length 300mm)
Maximum Current / Voltage Rating:	500mA at 5V, 12V or 24VDC
Supply Voltage	5, 12 or 24 VDC
Contact Resistance	20mΩ
LED state for output image option	1 LED: The LED is ON when output is closed.  2 LEDs: First colour is ON when the output is open. Second colour is ON when the output is closed.
Actuating force, typically	Zero Newton's (Touch Sensitive)
Life cycle	>50 Million

### Panel Cutout Dimensions



Panel cutout: Ø16.20 (.637 DIA)

### Environmental Specification

Sealing	IP68 (2m depth for >30mins) IP69K
Operating temperature	-25°C to +55°C
<b>RoHS</b>	Compliant

### Circuit Specification

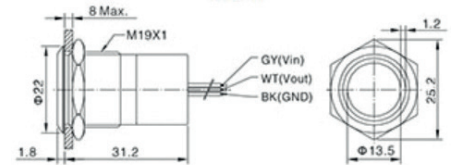
See wiring diagrams on page 41

19mm Illuminated



MC19

- ⬡ Illuminated
- ⬡ 300 mm lead



### Specification

### MC19

Type	Momentary / Latching
Materials	Case: Aluminium, Anodised and Stainless Steel  Multi-wire leads setion 0.22mm <sup>2</sup> (length 300mm)
Maximum Current / Voltage Rating:	500mA at 5V, 12V or 24VDC
Supply Voltage	5, 12 or 24 VDC
Contact Resistance	20mΩ
LED state for output image option	1 LED: The LED is ON when output is closed.  2 LEDs: First colour is ON when the output is open. Second colour is ON when the output is closed.
Actuating force, typically	Zero Newton's (Touch Sensitive)
Life cycle	>50 Million

### Panel Cutout Dimensions



Panel cutout: Ø19.20 (.756 DIA)

### Environmental Specification

Sealing	IP68 (2m depth for >30mins) IP69K
Operating temperature	-25°C to +55°C
<b>RoHS</b>	Compliant

### Circuit Specification

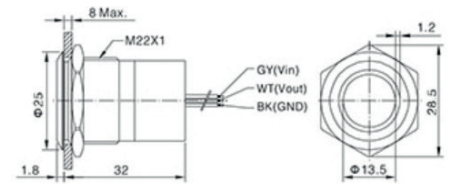
See wiring diagrams on page 41

22mm Illuminated



MC22

- ⬡ Illuminated
- ⬡ 300 mm lead

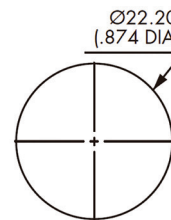


### Specification

### MC22

Type	Momentary / Latching
Materials	Case: Aluminium, Anodised and Stainless Steel  Multi-wire leads setion 0.22mm <sup>2</sup> (length 300mm)
Maximum Current / Voltage Rating:	500mA at 5V, 12V or 24VDC
Supply Voltage	5, 12 or 24 VDC
Contact Resistance	20mΩ
LED state for output image option	1 LED: The LED is ON when output is closed.  2 LEDs: First colour is ON when the output is open. Second colour is ON when the output is closed.
Actuating force, typically	Zero Newton's (Touch Sensitive)
Life cycle	>50 Million

### Panel Cutout Dimensions



Panel cutout: Ø22.20 (.874 DIA)

### Environmental Specification

Sealing	IP68 (2m depth for >30mins) IP69K
Operating temperature	-25°C to +55°C
<b>RoHS</b>	Compliant

### Circuit Specification

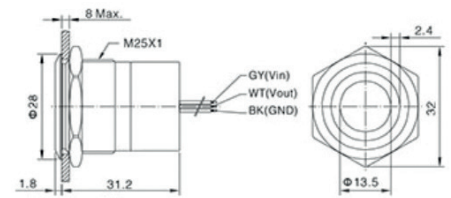
See wiring diagrams on page 41

25mm Illuminated



MC25

- ⬡ Illuminated
- ⬡ 300 mm lead

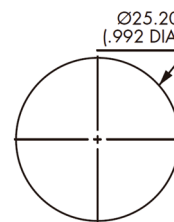


**Specification**

**MC25**

Type	Momentary / Latching
Materials	Case: Aluminium, Anodised and Stainless Steel  Multi-wire leads setion 0.22mm <sup>2</sup> (length 300mm)
Maximum Current / Voltage Rating:	500mA at 5V, 12V or 24VDC
Supply Voltage	5, 12 or 24 VDC
Contact Resistance	20mΩ
LED state for output image option	1 LED: The LED is ON when output is closed.  2 LEDs: First colour is ON when the output is open. Second colour is ON when the output is closed.
Actuating force, typically	Zero Newton's (Touch Sensitive)
Life cycle	>50 Million

**Panel Cutout Dimensions**



Panel cutout: Ø25.20 (.992 DIA)

**Environmental Specification**

Sealing	IP68 (2m depth for >30mins) IP69K
Operating temperature	-25°C to +55°C
<b>RoHS</b>	Compliant

**Circuit Specification**

See wiring diagrams on page 41

**Part No System**

MC	XX	X	X	X	XX	XX
<b>Series</b> MC-Capacitive Switch	<b>Switch Size</b> 16 = 16mm 19 = 19mm 22 = 22mm 25 = 25mm	<b>Switch Function</b> M = Momentary L = Latching	<b>Switch Status</b> O = Normally Open C = Normally Closed	<b>Colour / Material</b> B = Black Anodised R = Red Anodised S = Stainless Steel	<b>LED Colours</b> GN = GREEN (1 LED) RD = RED (1 LED) AM = AMBER (1 LED) RG = RED + GREEN (2 LED) GR = GREEN + RED (2 LED) Blank = Non-illuminated	<b>Voltage</b> 05 = 5VDC 24 = 24VDC * No Suffix = 12VDC

**Note:**  
 2 LED's option: when the output circuit open, first LED color lights. Second LED lights when the output circuit closes

**Examples:**  
 MC16MOSRD = 16mm, Stainless Steel, Momentary Normally Open, Red Illumination, 12VDC  
 MC22LOBRG24 = 22mm, Black Anodised, Catching Normally Open, Red and Green Illumination, 24VDC

**Circuit Specifications**

	Wiring Diagrams			Legend
	1 LED		2 LEDS	
	Output Indicator	Output Indicator	Output Indicator	
<b>OFF-ON (momentary)</b> Normally Open				Grey Vin Black black GND White Vout  Wire colours may vary. Always refer to the label on the switch.
<b>ON-OFF (momentary)</b> Normally Closed				
<b>OFF-ON (latching)</b> Normally Open				
<b>ON-OFF (latching)</b> Normally Closed				

Other switches are available upon request\*

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