

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.



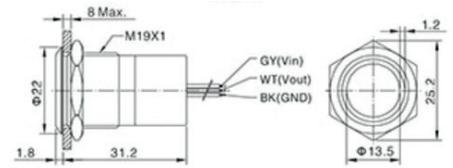
- ⊞ Sealed to IP68 and IP69K
- ⊞ Momentary or latching functions
- ⊞ Large or thin ring illumination options
- ⊞ Long life operation – 50 million of cycles
- ⊞ 16, 19, 22 or 25mm diameter options
- ⊞ Easy to use and clean
- ⊞ Extremely robust and durable – IK10 rated
- ⊞ No operating force required – 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

19mm Illuminated



MC19

- Illuminated
- 300 mm lead



Specification

MC19

Type	Momentary / Latching
Materials	Case: Aluminium, Anodised and Stainless Steel Multi-wire leads section 0.22mm ² (length 300mm)
Maximum Current / Voltage Rating:	10mA 12 VDC
Supply Voltage	12 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
RoHS	Compliant

Circuit Specification

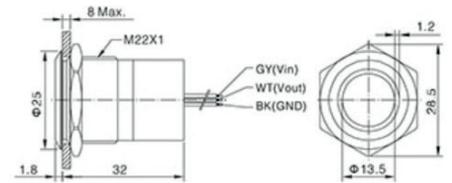
See wiring diagrams on Part No System page

22mm Illuminated



MC22

- Illuminated
- 300 mm lead

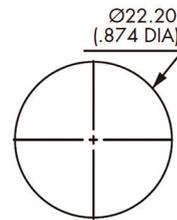


Specification

MC22

Type	Momentary / Latching
Materials	Case: Aluminium, Anodised and Stainless Steel Multi-wire leads section 0.22mm ² (length 300mm)
Maximum Current / Voltage Rating:	10mA 12 VDC
Supply Voltage	12 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
RoHS	Compliant

Circuit Specification

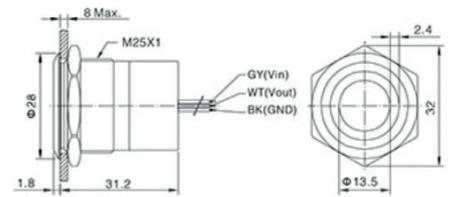
See wiring diagrams on Part No System page

25mm Illuminated



MC25

- Illuminated
- 300 mm lead



Specification

MC25

Type	Momentary / Latching
Materials	Case: Aluminium, Anodised and Stainless Steel
Maximum Current / Voltage Rating:	10mA 12 VDC
Supply Voltage	12 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
RoHS	Compliant

Circuit Specification

See wiring diagrams on Part No System page

Part No System

MC	/	XX	/	X	/	X	/	X	
Series MC-Capacitive Switch		Switch Size 16 = 16mm 19 = 19mm 22 = 22mm 25 = 25mm		Switch Function M = Momentary L = Latching		Switch Status O = Normally Open C = Normally Closed		Colour / Material B = Black Anodised R = Red Anodised S = Stainless Steel	LED Colours GN = GREEN RD = RED AM = AMBER RG = RED + GREEN GR = GREEN + RED Blank = Non-illuminated

Examples:

MC16MOSRD = 16mm, Stainless Steel, Momentary Normally Open, Red Illumination
 MC22LOBRG = 22mm, Black Anodised, Catching Normally Open, Red and Green Illumination

Circuit Specifications

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

Other switches are available upon request*

Mouser Electronics

Authorized Distributor

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Bulgin:

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