

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.



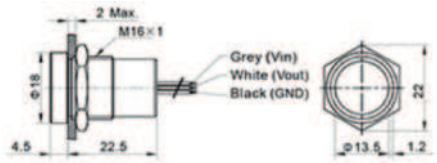
- ⬡ Sealed to IP68 and IP69K
- ⬡ Momentary or latching functions
- ⬡ Large or thin ring illumination options
- ⬡ Long life operation – 50 million of cycles
- ⬡ 16, 19, 22 or 25mm diameter options
- ⬡ Easy to use and clean
- ⬡ Extremely robust and durable – IK10 rated
- ⬡ No operating force required –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

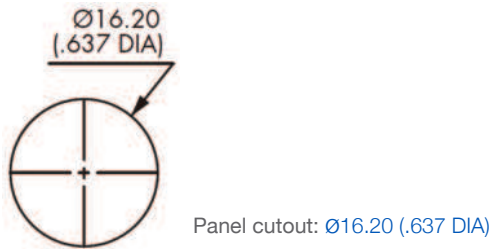


Specification

MC16

Type	Momentary / Latching
Materials	Case: Aluminium, Anodised and Stainless Steel
	Multi-wire leads setion 0.22mm ² (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



Environmental Specification

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

Circuit Specification

See wiring diagrams on page 51

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 ² (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
RoHS	Compliant

Circuit Specification

See wiring diagrams on page 51

22mm Illuminated



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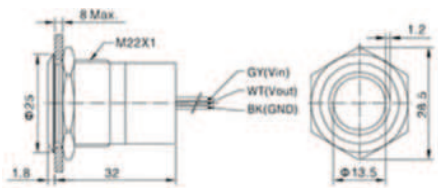
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MC22

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Illuminated
300 mm lead

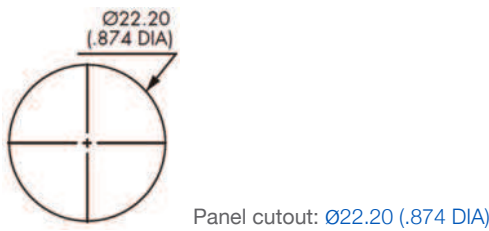


Specification

MC22

Type	Momentary / Latching
Materials	Case: Aluminium, Anodised and Stainless Steel Multi-wire leads setion 0.22mm ² (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



Environmental Specification

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

Circuit Specification

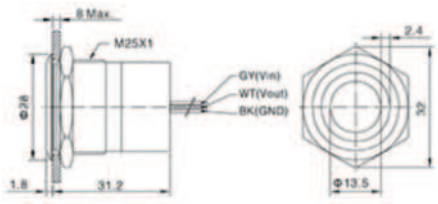
See wiring diagrams on page 51

25mm Illuminated



MC25

○ Illuminated
○ 300 mm lead

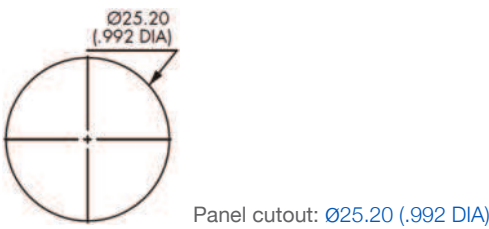


Specification

MC25

Type	Momentary / Latching
Materials	Case: Aluminium, Anodised and Stainless Steel
	Multi-wire leads setion 0.22mm ² (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



Environmental Specification

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

Circuit Specification

See wiring diagrams on page 51

Part No System

MC	/	XX	/	X	/	X	/	X	/	XX	/	XX
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 (1 LED) RD = RED (1 LED) AM = AMBER (1 LED) RG = RED + GREEN (2 LEDS) GR = GREEN + RED (2 LEDS)		Voltage 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 Grey Vin Black black GND White Vout Wire colours may vary. Always refer to the label on the switch.
	1 LED		2 LEDS	
	Output Indicator	Output Indicator	Output Indicator	
OFF-ON (momentary) Normally Open				
ON-OFF (momentary) Normally Closed				
OFF-ON (latching) Normally Open				
ON-OFF (latching) Normally Closed				

Other switches are available upon request*