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.

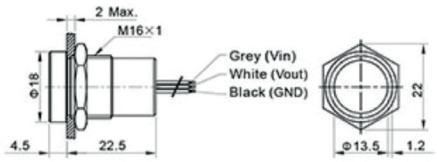
- Sealed to IP68 and IP69K
- Momentary or latching functions
- Large or thin ring illumination options
- Long life operation – 50 million of cycles
- 16, 19, 22 or 25mm diameter options
- Easy to use and clean
- Extremely robust and durable – IK10 rated
- No operating force required – ideal for repetitive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

Capacitive Switches - 16mm

16mm Illuminated

MC16

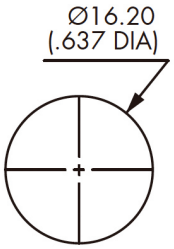
- Illuminated
- 300 mm lead



Specification

Specification	MC16
Type	Momentary / Latching
Materials	Case: Aluminium, Anodised and Stainless Steel Multi-wire leads setion 0.22mm² (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
RoHS	Compliant

Circuit Specification

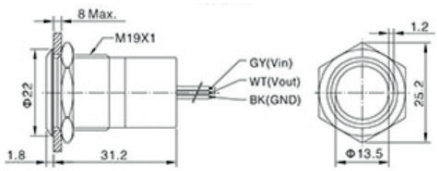
See wiring diagrams on Part No System page

Capacitive Switches - 19mm

19mm Illuminated

MC19

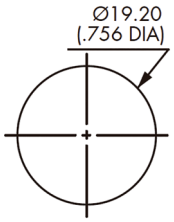
- Illuminated
- 300 mm lead



Specification

	MC19
Type	Momentary / Latching
Materials	Case: Aluminium, Anodised and Stainless Steel
	Multi-wire leads setion 0.22mm² (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

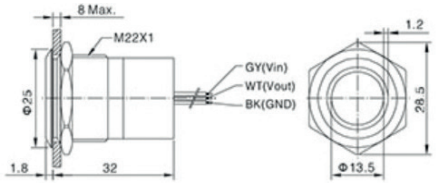
See wiring diagrams on Part No System page

Capacitive Switches - 22mm

22mm Illuminated

MC22

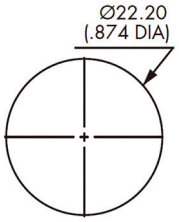
- Illuminated
- 300 mm lead



Specification

	MC22
Type	Momentary / Latching
Materials	Case: Aluminium, Anodised and Stainless Steel
	Multi-wire leads setion 0.22mm² (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
RoHS	Compliant

Circuit Specification

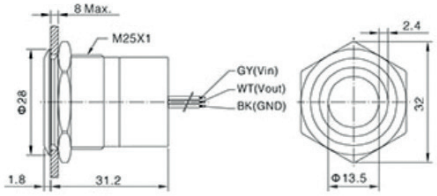
See wiring diagrams on Part No System page

Capacitive Switches - 25mm

25mm Illuminated

MC25

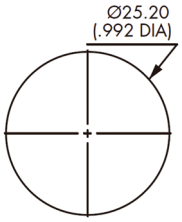
- Illuminated
- 300 mm lead



Specification

Specification	MC25
Type	Momentary / Latching
Materials	Case: Aluminium, Anodised and Stainless Steel Multi-wire leads setion 0.22mm² (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
RoHS	Compliant

Circuit Specification

See wiring diagrams on Part No System page

Capacitive Switches - Part No System

Part No System

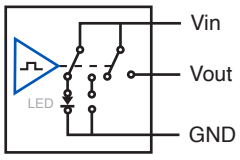
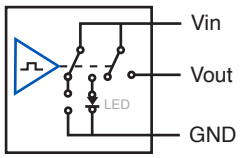
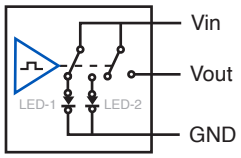
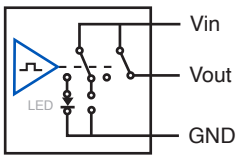
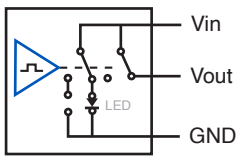
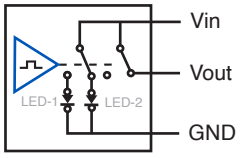
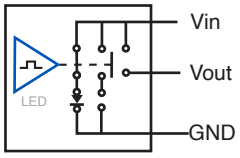
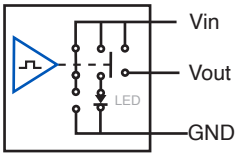
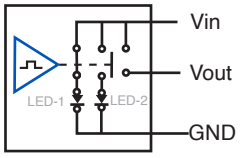
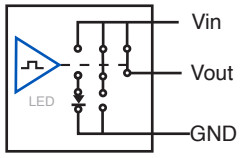
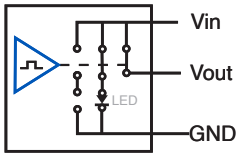
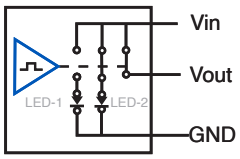
MC	/	XX	/	X	/	X	/	X	/	XX	/	XX

Series	Switch Size	Switch Function	Switch Status	Colour / Material	LED Colours	Voltage
MC-Capacitive Switch	16 = 16mm 19 = 19mm 22 = 22mm 25 = 25mm	M = Momentary L = Latching	O = Normally Open C = Normally Closed	B = Black Anodised R = Red Anodised S = Stainless Steel	GN = GREEN (1 LED) RD = RED (1 LED) AM = AMBER (1 LED) RG = RED + GREEN (2 LEDS) GR = GREEN + RED (2 LEDS) Blank = Non-illuminated	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 Ilumination, 24VDC

Circuit Specifications

Wiring Diagrams			
	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			

Legend

Grey	Vin
Black	black GND
White	Vout

Wire colours may vary. Always refer to the label on the switch.

Other switches are available upon request*

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