

Short Metal Pushbutton Switches **multicomp**^{PRO}

RoHS
Compliant



Specifications

| | |
|-----------------------|---|
| Rating | : 2A/36V DC |
| Electrical Life | : 200,000 make-and-break cycles at full load. |
| Mechanical Life | : 1,000,000. Cycles |
| Dielectric Strength | : 2,000V RMS@sea level |
| Contact Resistance | : 50mΩ MAX. @1A 12V DC (initial value) |
| Operating Temperature | : -20°C to 70°C |
| Travel | : ABOUT 1.8 ±0.2mm |
| Operation Pressure | : 4.5 ±1.5N |
| Ingress Protection | : IP67, IK10 (Stainless) |
| Torque | : 1Nm to 3Nm |

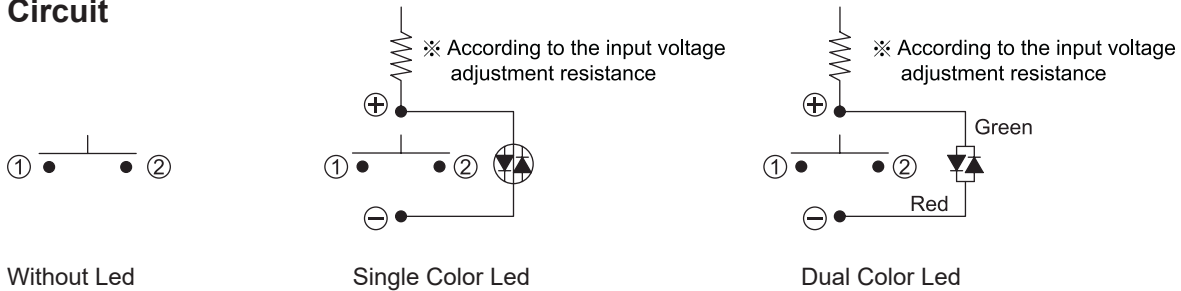
Current limiting resistor is required to limit led forward current to 20mA

Materials

| | |
|----------------|---|
| Bushing | : Stainless Steel |
| Base | : PA66, White UL-94V0 |
| Actuator | : PC, Translucent UL-94V2 Stainless Steel |
| Inner Assembly | : PC,Transparent UL-94V2 |
| Spring | : Spring steel |
| Sealing | : Sillicone,Translucent |
| O-Ring | : Sillicone, Black |
| Terminal | : Brass, Gold flash plated |
| Contact | : Brass, Sliver alloy |
| Hex Nut | : Brass, Nickel plated |

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Circuit



Without Led

Single Color Led

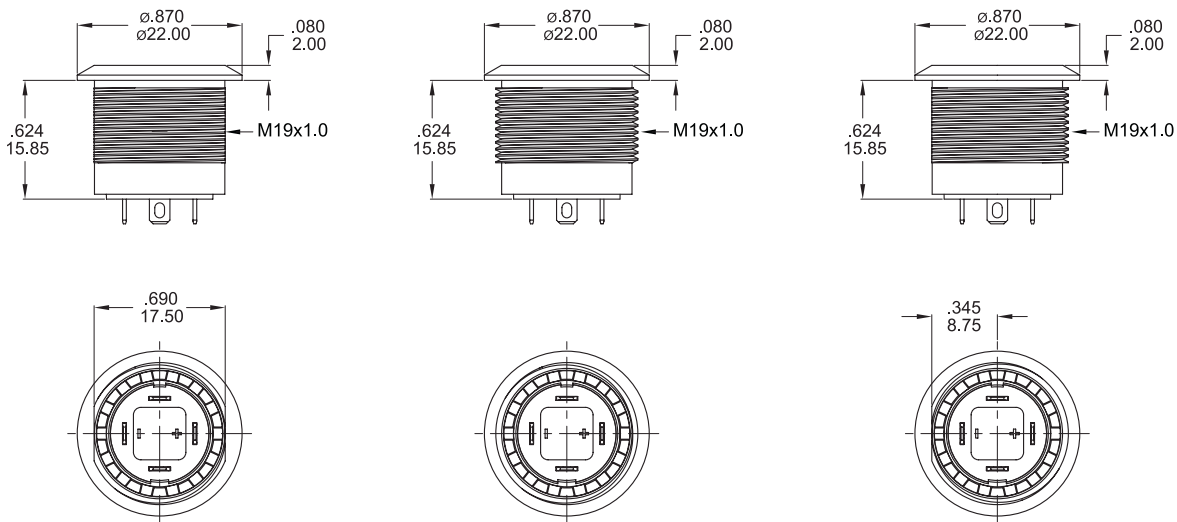
Dual Color Led

Body Type

Double flat

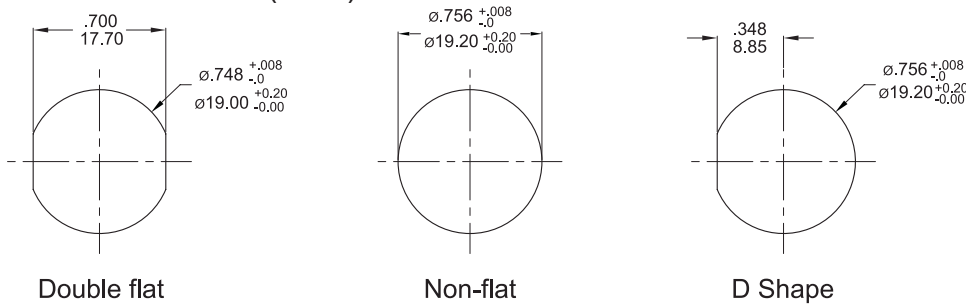
Non-flat

D Shape



Panel Cutout

Thickness: 6.0mm(Max.)



Dimensions : Millimetres

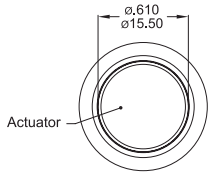
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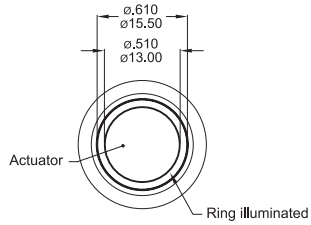
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Light Type

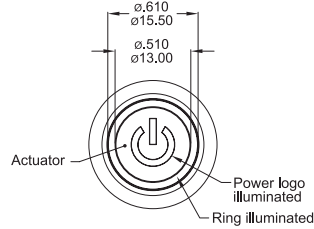
N Without LED



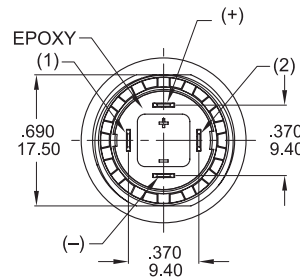
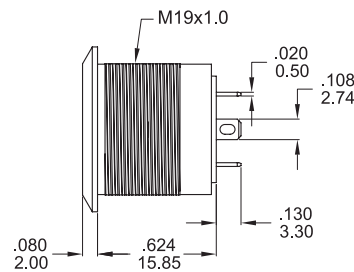
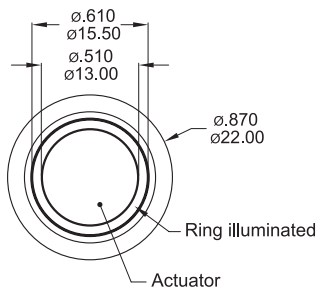
E Ring



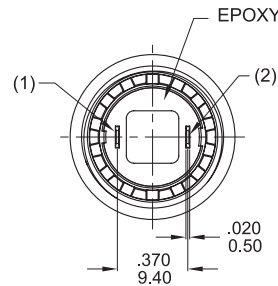
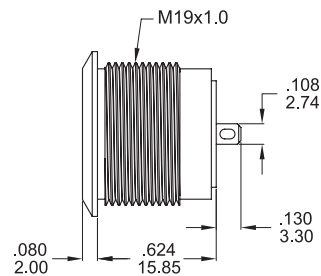
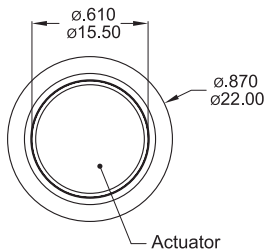
P Power+Ring



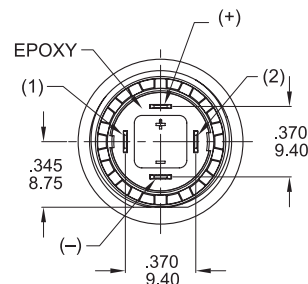
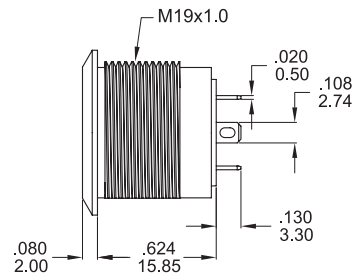
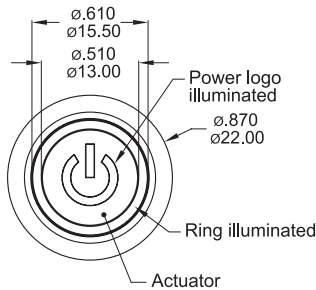
E Ring



N Without LED



P Power+Ring



Dimensions : Millimetres

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Part Number Table

| Description | Part Number |
|----------------------------------|---------------------|
| Pushbutton Switch, 19mm, Red LED | MPM19-A01FE-3-JR-3V |
| Pushbutton Switch, 19mm, W/O LED | MPM19-A02FN-0-JR-0V |
| Pushbutton Switch, 19mm, Red LED | MPM19-A03FP-3-JR-3V |

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