



Switches

Manufactured from Stainless Steel, Bulgin's extensive range of vandal resistant security switches are designed with a high resistance to wear and tear, corrosion and harsh use in potentially hostile environments such as access control applications.

The front and rear panel mounted versions have three profiles – prominent, domed and low profile – with a choice of switching and IP66 & IP68 front panel sealing which combined together to meet the ergonomic, electrical and environmental demands of switch panel design. And where the ultimate strength of steel is not needed, there is a brass, chrome plated alternative. The low profile style switches are now also available with a latching, push on - push off, action.

The illuminated versions are available in dot and ring LED indication and a variety of illumination colours including bi-colour LED's. Newer versions also feature LED illumination driven by 6V, 12V & 24V together with rear of panel sealing, these options will add that extra dimension to control panel layouts and functionality.

The standard range of vandal resistant switches are complemented by a range of 16mm stainless steel switches of robust construction designed for use in applications where space is at a premium.

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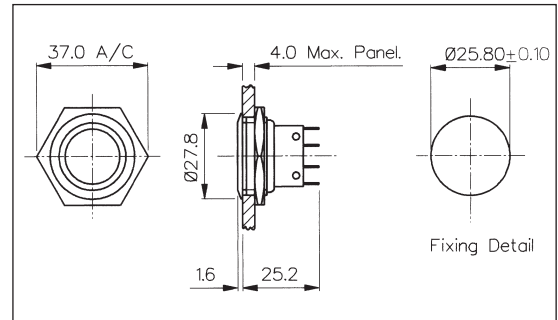
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Stainless Steel Low Profile Vandal Resistant - Momentary

FRONT PANEL MOUNTING



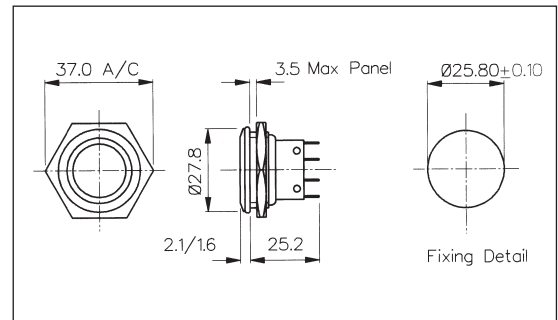
- 28mm diameter
- S.P.C.O. Microswitch
- 5A, 250Vac



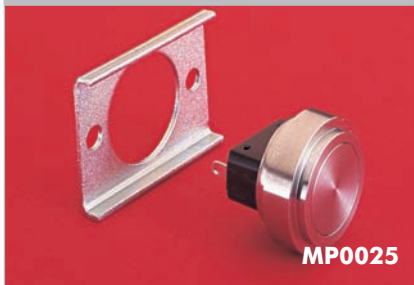
FRONT PANEL MOUNTING



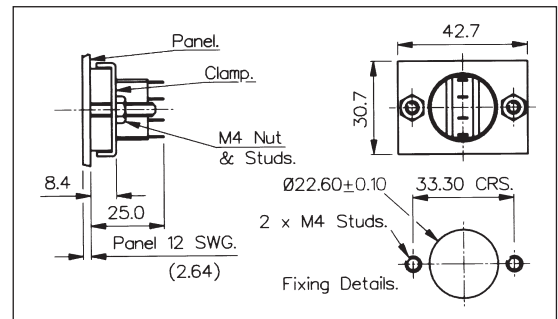
- Front Panel Sealed to IP66
- 28mm diameter
- S.P.C.O. Microswitch
- 5A, 250Vac



REAR PANEL MOUNTING



- 22mm diameter
- S.P.C.O. Microswitch
- 5A, 250Vac



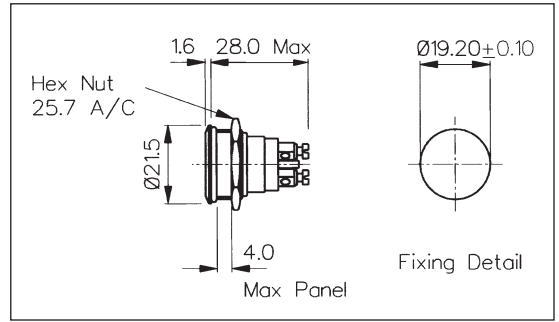
| Specification | MP0027 | MP0038 | MP0025 |
|--------------------------------|---|---|---|
| Terminations: | Solder Tags | Solder Tags | Solder Tags |
| Switching: | S.P.C.O. Momentary Action (Microswitch) | S.P.C.O. Momentary Action (Microswitch) | S.P.C.O. Momentary Action (Microswitch) |
| Max. Rating: | 5A, 250Vac 2A, 28Vdc | 5A, 250Vac 2A, 28Vdc | 5A, 250Vac 2A, 28Vdc |
| Contact Resistance: | <10mΩ | <10mΩ | <10mΩ |
| Insulation Resistance: | >10 ³ MΩ | >10 ³ MΩ. | >10 ³ MΩ |
| Dielectric Strength: | >2.0kVac | >2.0kVac | >2.0kVac |
| Operating Temp. Range: | -20°C to +70°C | -20°C to +70°C | -20°C to +70°C |
| Sealing (Front of panel only): | | Protection Classification: IP66 EN60529 1992 (Micro switch not sealed) | |
| Operations | | | |
| Mechanical: | 1,000,000 (min) | 1,000,000 (min) | 1,000,000 (min) |
| Electrical: | 35,000 (min) | 35,000 (min) | 35,000 (min) |
| Operating Pressure: | 7.5N (typ) | 12.5N (typ) | 6.1N (typ) |
| Rear Nut Fixing Torque: | 2.5Nm | 1.13Nm | - |
| Materials | | | |
| Mouldings: | Glass Filled Nylon | Glass Filled Nylon | Glass Filled Nylon |
| Tags/Terminations: | Brass, Tin Plated | Brass, Tin Plated | Brass, Tin Plated |
| Switch Body & Button: | Stainless Steel | Stainless Steel | Stainless Steel |
| Contacts: | Fine Silver | Fine Silver | Fine Silver |
| Thread size: | 1.0" x 26TPI | 1.0" x 26TPI | - |
| RoHS | Compliant | Compliant | Compliant |

Stainless Steel Low Profile Vandal Resistant - Momentary

FRONT PANEL MOUNTING



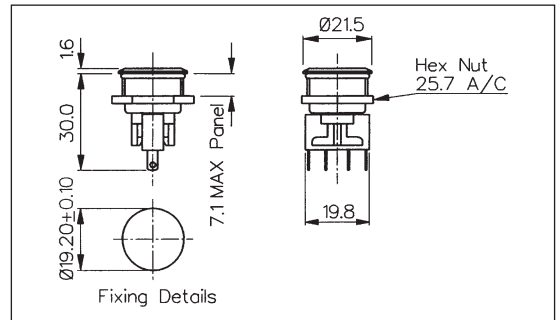
- Front Panel Sealed to IP68
- 21.5mm diameter
- S.P. Push to Make
- 1A, 50Vac/dc
- Industry Standard Size



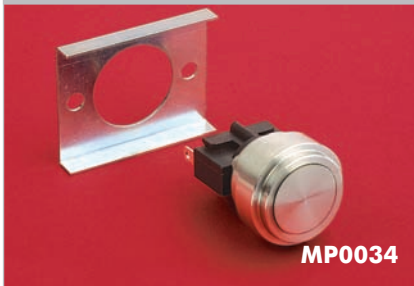
FRONT PANEL MOUNTING



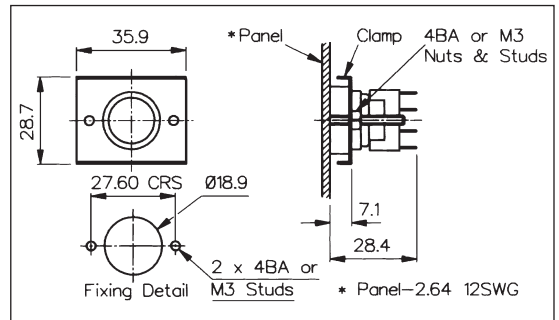
- Front Panel Sealed to IP66
- 21.5mm diameter
- S.P.C.O. Microswitch
- 5A, 250Vac



REAR PANEL MOUNTING



- Rear Panel Mounting
- Flush with Panel
- 19mm diameter
- S.P.C.O. Microswitch
- 5A, 250Vac



| Specification | MP0037 | MP0031 | MP0034 |
|--------------------------------|--|---|--|
| Terminations: | Screw Terminals | Solder Tags | Solder Tags |
| Switching: | S.P. Push to make Momentary action | S.P.C.O. Momentary Action (Microswitch) | S.P.C.O. Momentary Action (Microswitch) |
| Max. Rating: | 1A, 50Vac/dc | 5A, 250Vac 2A, 28Vdc | 5A, 250Vac 2A, 28Vdc |
| Contact Resistance: | <10mΩ | <10mΩ | <10mΩ |
| Insulation Resistance: | >10 ⁵ MΩ | >10 ³ MΩ. | >10 ³ MΩ |
| Dielectric Strength: | >1.0kVac | >2.0kVac | >2.0kVac |
| Operating Temp. Range: | -20°C to +70°C | -20°C to +70°C | -20°C to +70°C |
| Sealing (Front of panel only): | Protection Classification: IP68 EN60529 1992 (Terminals not sealed) | Protection Classification: IP66 EN60529 1992 (Micro switch not sealed) | |
| Operations | | | |
| Mechanical: | 1,000,000 (min) | 1,000,000 (min) | 250,000 (min) |
| Electrical: | 30,000 (min) | 35,000 (min) | 35,000 (min) |
| Operating Pressure: | 7.5N (typ) | 4.7N (typ) | 2.7N (typ) |
| Rear Nut Fixing Torque: | 0.57Nm | 0.57Nm | - |
| Materials | | | |
| Mouldings: | Glass Filled Nylon | Glass Filled Nylon | Glass Filled Nylon |
| Tags/Terminations: | Brass, Silver Plated | Brass, Tin Plated | Brass, Tin Plated |
| Switch Body & Button: | Stainless Steel | Stainless Steel | Stainless Steel |
| Contacts: | Brass, Silver Plated, Silver | Fine Silver | Fine Silver |
| Thread size: | 0.747" x 26TPI | 0.747" x 26TPI | - |
| RoHS | Compliant | Compliant | Compliant |

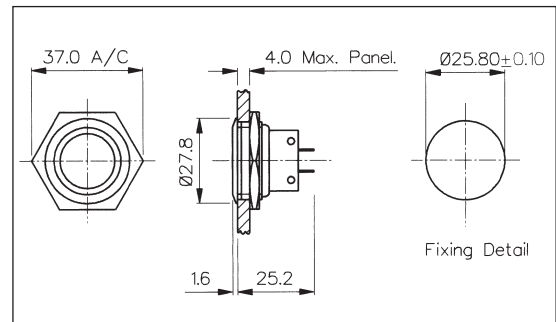
Stainless Steel Low Profile Vandal Resistant - Latching

FRONT PANEL MOUNTING



- 28mm diameter
- 2A, 50Vac/dc
- Single pole push to make
- Latching switch

MPL027

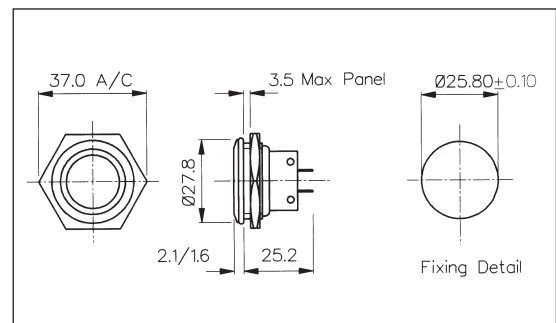


FRONT PANEL MOUNTING

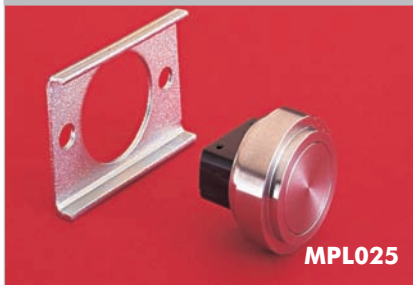


- Front Panel Sealed to IP66
- 28mm diameter
- 2A, 50Vac/dc
- Single pole push to make
- Latching switch

MPL038
Sealed to IP66

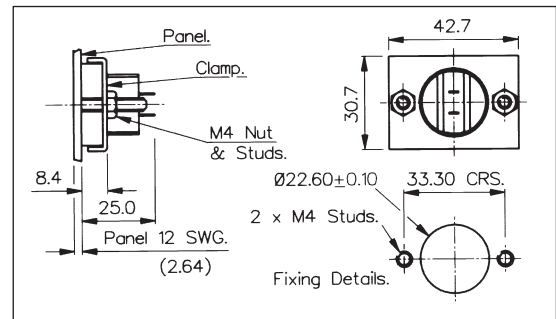


REAR PANEL MOUNTING



- 22mm diameter
- 2A, 50Vac/dc
- Single pole push to make
- Latching switch

MPL025



| Specification | MPL027 | MPL038 | MPL025 |
|--------------------------------|---------------------|--|---------------------|
| Terminations: | Solder Tags | Solder Tags | Solder Tags |
| Switching: | S.P.M.B. - Latching | S.P.M.B. - Latching | S.P.M.B. - Latching |
| Max. Rating: | 2A, 50Vac/dc | 2A, 50Vac/dc | 2A, 50Vac/dc |
| Contact Resistance: | <10mΩ | <10mΩ | <10mΩ |
| Insulation Resistance: | >10 ³ MΩ | >10 ³ MΩ. | >10 ³ MΩ |
| Dielectric Strength: | >2.0kVac | >2.0kVac | >2.0kVac |
| Operating Temp. Range: | -20°C to +70°C | -20°C to +70°C | -20°C to +70°C |
| Sealing (Front of panel only): | - | Protection Classification: IP66 EN60529 1992 (Switch not sealed) | - |
| Operations | | | |
| Mechanical: | 8,000 (min) | 8,000 (min) | 8,000 (min) |
| Electrical: | 8,000 (min) | 8,000 (min) | 8,000 (min) |
| Operating Pressure: | 5.5N (typ) | 5.5N (typ) | 5.5N (typ) |
| Rear Nut Fixing Torque: | 2.5Nm | 1.13Nm | - |
| Materials | | | |
| Mouldings: | Glass Filled Nylon | Glass Filled Nylon | Glass Filled Nylon |
| Tags/Terminations: | Brass, Tin Plated | Brass, Tin Plated | Brass, Tin Plated |
| Switch Body & Button: | Stainless Steel | Stainless Steel | Stainless Steel |
| Contacts: | Fine Silver | Fine Silver | Fine Silver |
| Thread size: | 1.0" x 26TPI | 1.0" x 26TPI | - |
| RoHS | Compliant | Compliant | Compliant |

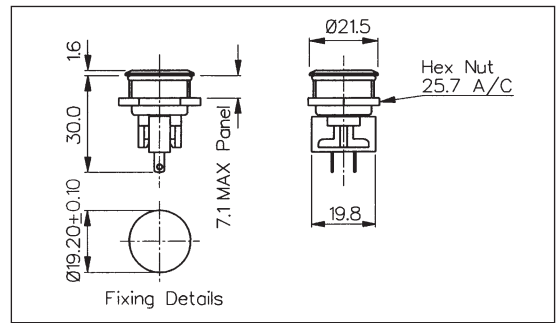
Stainless Steel Low Profile Vandal Resistant - Latching

FRONT PANEL MOUNTING

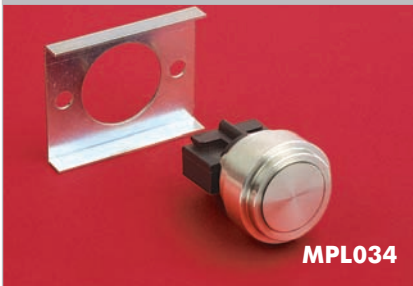


MPL031
Sealed to IP66

- Front Panel Sealed to IP66
- 21.5mm diameter
- 2A, 50Vac/dc
- Single pole push to make
- Latching switch

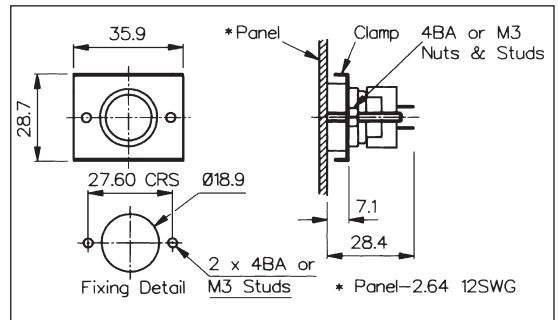


REAR PANEL MOUNTING



MPL034

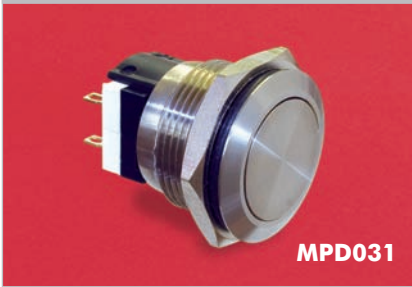
- Rear Panel Mounting
- Flush with Panel
- 19mm diameter
- 2A, 50Vac/dc
- Single pole push to make
- Latching switch



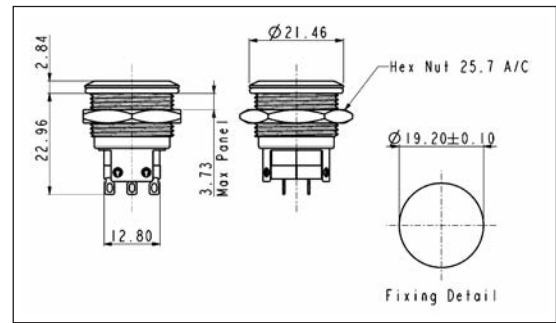
| Specification | MPL031 | MPL034 |
|--------------------------------|--|---------------------|
| Terminations: | Solder Tags | Solder Tags |
| Switching: | S.P.M.B. - Latching | S.P.M.B. - Latching |
| Max. Rating: | 2A, 50Vac/dc | 2A, 50Vac/dc |
| Contact Resistance: | <10mΩ | <10mΩ |
| Insulation Resistance: | >10 ³ MΩ | >10 ³ MΩ |
| Dielectric Strength: | >2.0kVac | >2.0kVac |
| Operating Temp. Range: | -20°C to +70°C | -20°C to +70°C |
| Sealing (Front of panel only): | Protection Classification: IP66 EN60529 1992 (Switch not sealed) | |
| Operations | | |
| Mechanical: | 8,000 (min) | 8,000 (min) |
| Electrical: | 8,000 (min) | 8,000 (min) |
| Operating Pressure: | 5.5N (typ) | 5.5N (typ) |
| Rear Nut Fixing Torque: | 0.57Nm | - |
| Materials | | |
| Mouldings: | Glass Filled Nylon | Glass Filled Nylon |
| Tags/Terminations: | Brass, Tin Plated | Brass, Tin Plated |
| Switch Body & Button: | Stainless Steel | Stainless Steel |
| Contacts: | Fine Silver | Fine Silver |
| Thread size: | 0.747" x 26TPI | - |
| RoHS | Compliant | Compliant |

Stainless Steel Low Profile Vandal Resistant - Momentary - Double Pole

FRONT PANEL MOUNTING



- Front Panel Sealed to IP66
- 21.5mm diameter
- D.P.C.O. Microswitch
- 3A, 125Vac



| Specification | MPD031 |
|--------------------------------|--|
| Terminations: | Solder Tags |
| Switching: | D.P.C.O. Momentary Action (Microswitch) |
| Max. Rating: | 3A, 125Vac |
| Contact Resistance: | 30-100mΩ max. |
| Insulation Resistance: | 100MΩ min. |
| Dielectric Strength: | 1,000VacRMS |
| Operating Temp. Range: | -20°C to +70°C |
| Sealing (Front of panel only): | Protection Classification: IP66 EN60529 1992 (Micro switch not sealed) |
| Operations | |
| Mechanical: | 1,000,000 |
| Electrical: | 10,000 @ 3A, 125Vac |
| Rear Nut Fixing Torque: | 0.57Nm |
| Materials | |
| Mouldings: | Glass Filled Nylon |
| Tags/Terminations: | Brass, Tin Plated |
| Switch Body & Button: | Stainless Steel |
| Contacts: | Brass, Silver Plated |
| Thread size: | 0.747" x 26TPI |
| RoHS | Compliant |

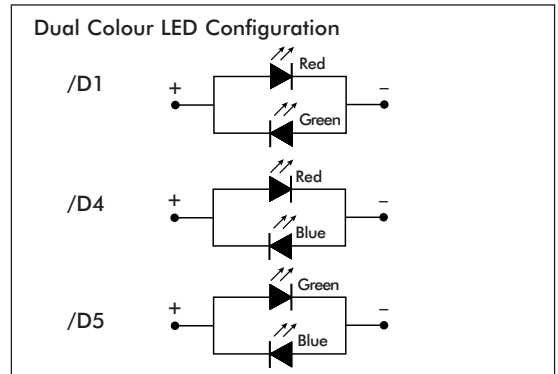
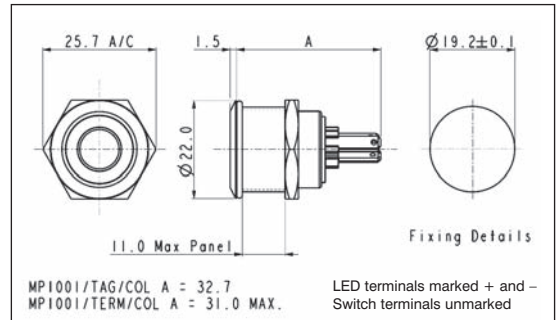
Stainless Steel Illuminated Vandal Resistant

FRONT PANEL MOUNTING



MPI001- front panel seal to IP66

- Dot illumination
- 22mm diameter
- Single pole push to make
- 50mA, 24Vdc contact rating
- Red, Green, Amber, Blue, White or dual colour illumination
- Bright daylight LEDs
- Independent LED terminals
- Front panel seal to IP66
- Integral supply resistors
- TVS protection



| Specification | MPI001/Termination/Colour/Voltage |
|--------------------------------|---|
| Illumination style: | Dot |
| Terminations: | /28 (2.8mm tabs), /TERM or /TE (screw terminals) |
| Switching: | Single pole, push to make, tactile (momentary action) |
| Max. Switch Rating: | 50mA, 24Vdc |
| LEDs (ratings @ 20mA) | |
| Part No. | /RD /GN /AM /BL /WH /D1 /D4 /D5 |
| Colours | Red Green Amber Blue White Red/Green Red/Blue Green/Blue |
| Luminous Intensity | 900mcd 2500mcd 900mcd 1500mcd 900mcd 2500mcd/5000mcd 2000mcd/850mcd 4000mcd/2000mcd |
| Forward Voltage | 1.85V 3.5V 2.3V 3.5V 3.6V 2.05V/3.6V 2.0V/3.6V 3.6V/3.6V |
| Forward Current | 20mA 20mA 20mA 20mA 20mA 20mA 20mA 20mA |
| Moulding Colour | Red Green Amber Blue White Black Black Black |
| Illumination Voltage: | /no suffix No resistor fitted. An appropriate resistor must be series connected by the user. Voltages as above. /6 6Vdc /12 12Vdc /24 24Vdc |
| Contact Resistance: | < 100mΩ |
| Insulation Resistance: | > 10 ³ MΩ |
| Dielectric Strength: | Contact to Panel >2.0kV Contact to Contact 1500V |
| Operating Temp. Range: | -30°C to +70°C |
| Sealing (Front of panel only): | Protection Classification: IP66 EN60529 1992 |
| Operations | |
| Mechanical: | 750,000 (min) |
| Electrical: | 35,000 (min) |
| Operating Pressure: | 12N |
| Rear Nut Fixing Torque: | 0.57Nm |
| Materials | |
| Switch assembly: | UL94V-0 rated Polyamide (Nylon) |
| Tags: | Copper Alloy |
| Terminals: | Copper Alloy |
| Switch Body & Button: | Stainless Steel |
| Lens and Lens Body: | Polycarbonate |
| O ring: | Nitrile |
| Internal seal: | Silicone |
| Contact Plate: | Gold Plated |
| Thread size: | 18.97mm x 26TPI |
| | ESD Handling precautions must be taken |
| | Compliant |



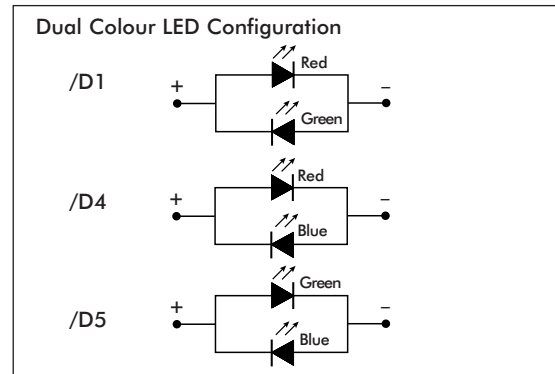
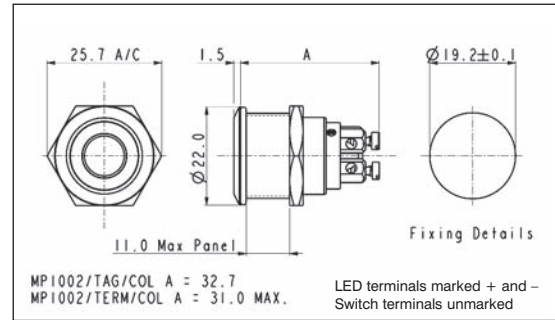
Stainless Steel Illuminated Vandal Resistant

FRONT PANEL MOUNTING



MPI002- front panel seal to IP66

- Ring illumination
- 22mm diameter
- Single pole push to make
- 50mA, 24Vdc contact rating
- Red, Green, Amber, Blue, White or dual colour illumination
- Bright daylight LEDs
- Independent LED terminals
- Front panel seal to IP66
- Integral supply resistors
- TVS protection



| Specification | MPI002/Termination/Colour/Voltage |
|--------------------------------|---|
| Illumination style: | Ring |
| Terminations: | /28 (2.8mm tabs), /TERM or /TE (screw terminals) |
| Switching: | Single pole, push to make, tactile (momentary action) |
| Max. Switch Rating: | 50mA, 24Vdc |
| LEDs (ratings @ 20mA) | |
| Part No. | /RD /GN /AM /BL /WH /D1 /D4 /D5 |
| Colours | Red Green Amber Blue White Red/Green Red/Blue Green/Blue |
| Luminous Intensity | 900mcd 2500mcd 900mcd 1500mcd 900mcd 2500mcd/5000mcd 2000mcd/850mcd 4000mcd/2000mcd |
| Forward Voltage | 1.85V 3.5V 2.3V 3.5V 3.6V 2.05V/3.6V 2.0V/3.6V 3.6V/3.6V |
| Forward Current | 20mA 20mA 20mA 20mA 20mA 20mA 20mA 20mA |
| Moulding Colour | Red Green Amber Blue White Black Black Black |
| Illumination Voltage: | /no suffix No resistor fitted. An appropriate resistor must be series connected by the user. Voltages as above. /6 6Vdc /12 12Vdc /24 24Vdc |
| Contact Resistance: | < 100mΩ |
| Insulation Resistance: | > 10 ³ MΩ |
| Dielectric Strength: | Contact to Panel >2.0kV Contact to Contact 1500V |
| Operating Temp. Range: | -30°C to +70°C |
| Sealing (Front of panel only): | Protection Classification: IP66 EN60529 1992 |
| Operations | |
| Mechanical: | 750,000 (min) |
| Electrical: | 35,000 (min) |
| Operating Pressure: | 12N |
| Rear Nut Fixing Torque: | 0.57Nm |
| Materials | |
| Switch assembly: | UL94V-0 rated Polyamide (Nylon) |
| Tags: | Copper Alloy |
| Terminals: | Copper Alloy |
| Switch Body & Button: | Stainless Steel |
| Lens and Lens Body: | Polycarbonate |
| O ring: | Nitrile |
| Internal seal: | Silicone |
| Contact Plate: | Gold Plated |
| Thread size: | 18.97mm x 26TPI |
| | ESD Handling precautions must be taken |
| | Compliant |

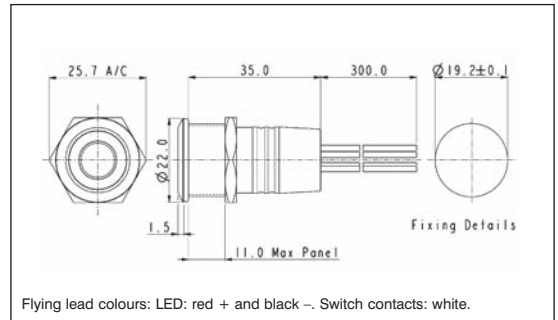
Stainless Steel Illuminated Vandal Resistant with rear of panel IP66 seal

REAR PANEL SEALED - FLYING LEADS



MPI002/FL/xx/x

- Dot or ring illumination
- 22mm diameter
- Single pole push to make
- 50mA, 24Vdc contact rating
- Red, Green, Amber, Blue & White illumination
- Bright daylight LEDs
- Independent LED terminals
- Front and rear panel seal to IP66
- Flying lead termination
- TVS protection

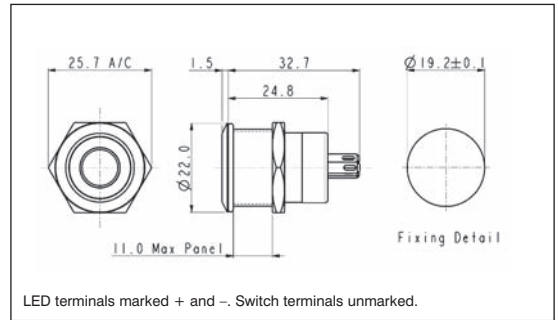


REAR PANEL SEALED - SOLDER TAG



MPI001/RP/xx/x

- Dot or ring illumination
- 22mm diameter
- Single pole push to make
- 50mA, 24Vdc contact rating
- Red, Green, Amber, Blue & White illumination
- Bright daylight LEDs
- Independent LED terminals
- Front and rear panel seal to IP66
- Solder tag termination
- TVS protection



| Specification | MPI001/Termination/Colour/Voltage | MPI002/Termination/Colour/Voltage |
|--|---|---|
| Illumination style: | Dot | Ring |
| Terminations: | /FL (Flying leads) /RP (Solder tags) | /FL (Flying leads) /RP (Solder tags) |
| Switching: | Single pole, push to make, tactile (momentary action) | Single pole, push to make, tactile (momentary action) |
| Max. Switch Rating: | 50mA, 24Vdc | 50mA, 24Vdc |
| LEDs (ratings @ 20mA) | | |
| Part No. | /RD /GN /AM /BL /WH | /RD /GN /AM /BL /WH |
| Colours | Red Green Amber Blue White | Red Green Amber Blue White |
| Luminous Intensity | 900mcd 2500mcd 900mcd 1500mcd 900mcd | 900mcd 2500mcd 900mcd 1500mcd 900mcd |
| Forward Voltage | 1.85V 3.5V 2.3V 3.5V 3.6V | 1.85V 3.5V 2.3V 3.5V 3.6V |
| Forward Current | 20mA 20mA 20mA 20mA 20mA | 20mA 20mA 20mA 20mA 20mA |
| Illumination Voltage: | /no suffix No resistor fitted. An appropriate resistor must be series connected by the user. Voltages as above. | /no suffix No resistor fitted. An appropriate resistor must be series connected by the user. Voltages as above. |
| | /6 6Vdc | /6 6Vdc |
| | /12 12Vdc | /12 12Vdc |
| | /24 24Vdc | /24 24Vdc |
| Contact Resistance: | < 100mΩ | < 100mΩ |
| Insulation Resistance: | > 10 ³ MΩ. | > 10 ³ MΩ. |
| Dielectric Strength: | Contact to panel >2.0kV Contact to contact 1500V | Contact to panel >2.0kV Contact to contact 1500V |
| Operating Temp. Range: | -30°C to +70°C | -30°C to +70°C |
| Sealing (Front & rear of panel): | Protection classification: IP66, EN60529 1992 | Protection classification: IP66, EN60529 1992 |
| Operations | | |
| Mechanical: | 750,000 (min) | 750,000 (min) |
| Electrical: | 35,000 (min) | 35,000 (min) |
| Operating Pressure: | 12N | 12N |
| Rear Nut Fixing Torque: | 0.57Nm | 0.57Nm |
| Materials | | |
| Switch assembly: | UL94V-0 rated Polyamide (Nylon) | UL94V-0 rated Polyamide (Nylon) |
| Tags: | Copper Alloy | Copper Alloy |
| Leads: | Tinned, stranded copper conductors | Tinned, stranded copper conductors |
| Switch Body & Button: | Stainless Steel | Stainless Steel |
| Lens and Lens Body: | Polycarbonate | Polycarbonate |
| O ring: | Nitrile | Nitrile |
| Internal seal: | Silicone | Silicone |
| Contact Plate: | Gold Plated | Gold Plated |
| Thread size: | 18.97mm x 26TPI | 18.97mm x 26TPI |
| | ESD Handling precautions must be taken | ESD Handling precautions must be taken |
| | Compliant | Compliant |



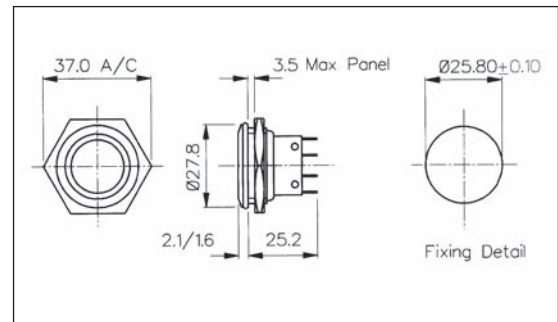
Low Profile Brass Chrome Plated Vandal Resistant

FRONT PANEL MOUNTING



MPB038
Sealed to IP66

- Front Panel Sealed to IP66
- 28mm diameter
- S.P.C.O. Microswitch
- 5A, 250Vac

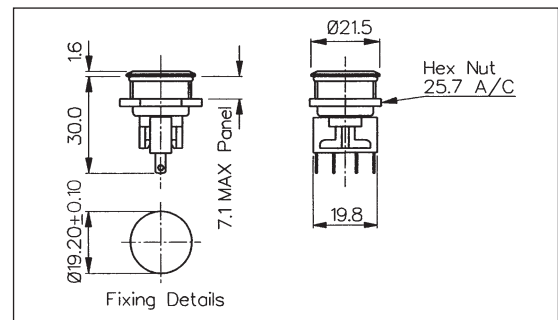


FRONT PANEL MOUNTING



MPB031
Sealed to IP66

- Front Panel Sealed to IP66
- 21mm diameter
- S.P.C.O. Microswitch
- 5A, 250Vac

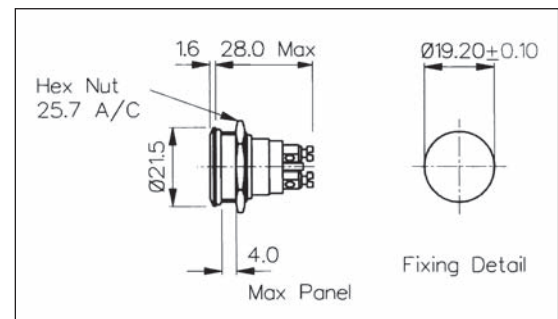


FRONT PANEL MOUNTING



MPB037
Sealed to IP68

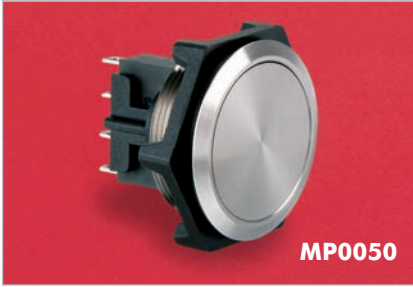
- Front Panel Sealed to IP68
- 21.5mm diameter
- S.P. Push to Make
- 1A, 50Vac/dc



| Specification | MPB038 | MPB031 | MPB037 |
|--------------------------------|--|--|---|
| Terminations: | Solder Tags | Solder Tags | Screw Terminals |
| Switching: | S.P.C.O. Momentary Action (Microswitch) | S.P.C.O. Momentary Action (Microswitch) | S.P. Push to make Momentary action |
| Max. Rating: | 5A, 250Vac. 2A, 28Vdc | 5A, 250Vac 2A, 28Vdc | 1A, 50Vac/dc |
| Contact Resistance: | <10mΩ | <10mΩ | <10mΩ |
| Insulation Resistance: | >10 ³ MΩ. | >10 ³ MΩ | >10 ⁵ MΩ |
| Dielectric Strength: | >2.0kVac | >2.0kVac | >1.0kVac |
| Operating Temp. Range: | -20°C to +70°C | -20°C to +70°C | -20°C to +70°C |
| Sealing (Front of panel only): | Protection Classification: IP66 EN60529 1992 (Micro switch not sealed) | Protection Classification: IP66 EN60529 1992 (Micro switch not sealed) | Protection Classification: IP68 EN60529 1992 (Terminals not sealed) |
| Operations | | | |
| Mechanical: | 1,000,000 (min) | 1,000,000 (min) | 1,000,000 (min) |
| Electrical: | 35,000 (min) | 35,000 (min) | 30,000 (min) |
| Operating Pressure: | 12.5N (typ) | 4.7N (typ) | 7.5N (typ) |
| Rear Nut Fixing Torque: | 1.13Nm | 0.57Nm | 0.57Nm |
| Materials | | | |
| Mouldings: | Glass Filled Nylon | Glass Filled Nylon | Glass Filled Nylon |
| Tags/Terminations: | Brass, Tin Plated | Brass, Tin Plated | Brass, Silver Plated |
| Switch Body & Button: | Brass, Chrome Plated | Brass, Chrome Plated | Brass, Chrome Plated |
| Contacts: | Fine Silver | Fine Silver | Brass, Silver Plated, Silver |
| Thread size: | 1.0" x 26TPI | 0.747" x 26TPI | 0.747" x 26TPI |
| RoHS | Compliant | Compliant | Compliant |

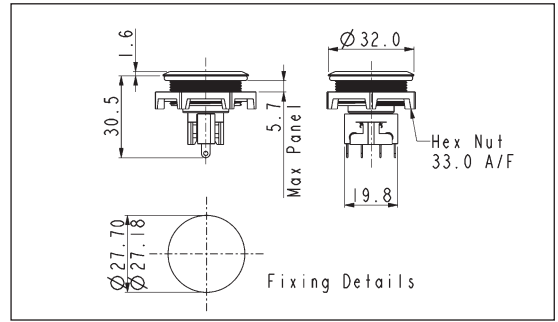
Stainless Steel Large Diameter Vandal Resistant - Momentary

FRONT PANEL MOUNTING - LOW PROFILE



- Front Panel Sealed to IP68
- Flush button
- 32.0mm diameter
- S.P.C.O. switching
- Momentary action
- 5A, 250Vac

MP0050

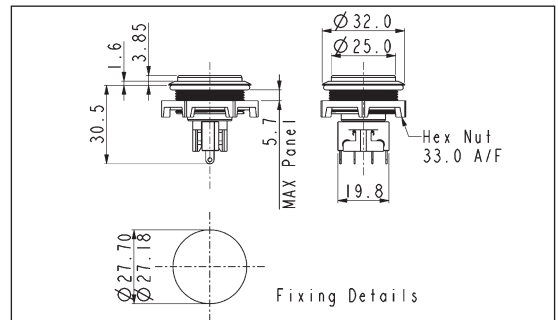


FRONT PANEL MOUNTING - PROTRUDING PROFILE



- Front Panel Sealed to IP68
- Protruding button
- 32.0mm diameter
- S.P.C.O. switching
- Momentary action
- 5A, 250Vac

MP0050/2



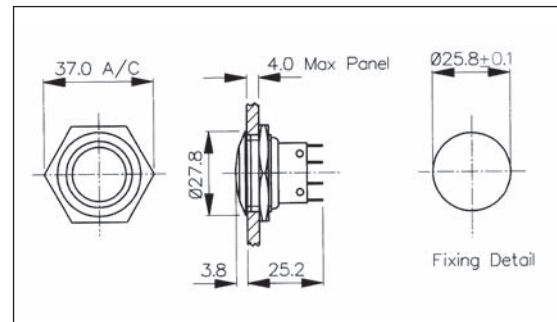
| Specification | MP0050 | MP0050/2 |
|--------------------------------|--|--|
| Terminations: | Solder Tags | Solder Tags |
| Switching: | S.P.C.O. Momentary Action (Microswitch) | S.P.C.O. Momentary Action (Microswitch) |
| Max. Rating: | 5A, 250Vac. 2A, 28Vdc | 5A, 250Vac 2A, 28Vdc |
| Contact Resistance: | 10mΩ | 10mΩ |
| Insulation Resistance: | >10 ³ MΩ | >10 ³ MΩ |
| Dielectric Strength: | >2.0kVac | >2.0kVac |
| Operating Temp. Range: | -20°C to +70°C | -20°C to +70°C |
| Sealing (Front of panel only): | Protection Classification: IP68 EN60529 1992 (Micro switch not sealed) | Protection Classification: IP68 EN60529 1992 (Micro switch not sealed) |
| Operations | | |
| Mechanical: | 1,000,000 (min) | 1,000,000 (min) |
| Electrical: | 35,000 (min) | 35,000 (min) |
| Operating pressure: | 4.7Nm | 4.7Nm |
| Rear Nut Fixing Torque: | 0.57Nm | 0.57Nm |
| Materials | | |
| Mouldings: | Glass Filled Nylon | Glass Filled Nylon |
| Tags/Terminations: | Brass, Tin Plated | Brass, Tin Plated |
| Switch Body & Button: | Stainless Steel | Stainless Steel |
| Contacts: | Fine Silver | Fine Silver |
| Thread size: | M27 x 1.0-6H | M27 x 1.0-6H |
| RoHS | Compliant | Compliant |

Stainless Steel Domed Vandal Resistant

FRONT PANEL MOUNTING



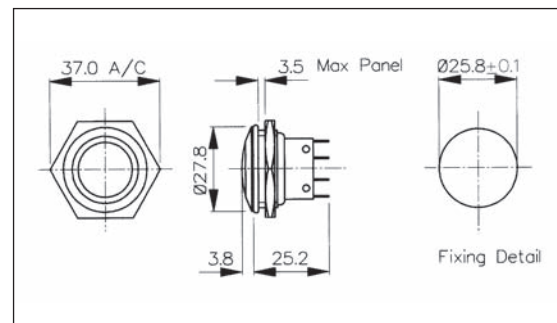
- 28mm diameter
- Domed Profile
- S.P.C.O. Microswitch
- 5A, 250Vac



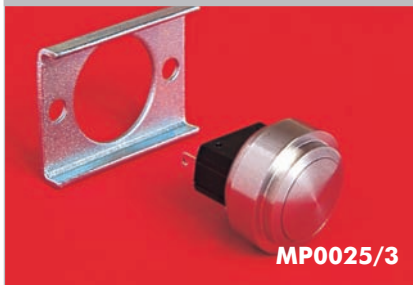
FRONT PANEL MOUNTING



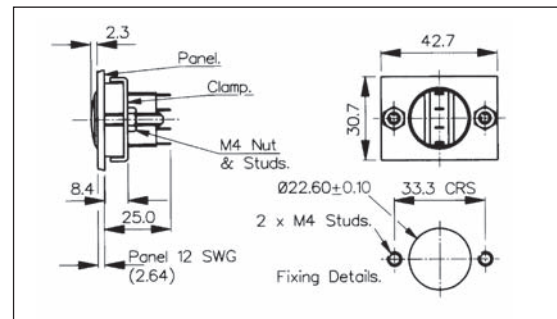
- Front Panel Sealed to IP66
- 28mm diameter
- Domed Profile
- S.P.C.O. Microswitch
- 5A, 250Vac



REAR PANEL MOUNTING



- 22mm diameter
- Domed Profile
- S.P.C.O. Microswitch
- 5A, 250Vac



| Specification | MP0027/3 | MP0038/3 | MP0025/3 |
|--------------------------------|---|--|---|
| Terminations: | Solder Tags | Solder Tags | Solder Tags |
| Switching: | S.P.C.O. Momentary Action (Microswitch) | S.P.C.O. Momentary Action (Microswitch) | S.P.C.O. Momentary Action (Microswitch) |
| Max. Rating: | 5A, 250Vac 2A, 28Vdc | 5A, 250Vac 2A, 28Vdc | 5A, 250Vac 2A, 28Vdc |
| Contact Resistance: | <10mΩ | <10mΩ | <10mΩ |
| Insulation Resistance: | >10 ³ MΩ | >10 ³ MΩ. | >10 ³ MΩ |
| Dielectric Strength: | >2.0kVac | >2.0kVac | >2.0kVac |
| Operating Temp. Range: | -20°C to +70°C | -20°C to +70°C | -20°C to +70°C |
| Sealing (Front of panel only): | - | Protection Classification: IP66 EN60529 1992 (Micro switch not sealed) | - |
| Operations | | | |
| Mechanical: | 1,000,000 (min) | 1,000,000 (min) | 1,000,000 (min) |
| Electrical: | 35,000 (min) | 35,000 (min) | 35,000 (min) |
| Operating Pressure: | 7.5N (typ) | 12.5N (typ) | 6.1N (typ) |
| Rear Nut Fixing Torque: | 2.5Nm | 1.13Nm | - |
| Materials | | | |
| Mouldings: | Glass Filled Nylon | Glass Filled Nylon | Glass Filled Nylon |
| Tags/Terminations: | Brass, Tin Plated | Brass, Tin Plated | Brass, Tin Plated |
| Switch Body & Button: | Stainless Steel | Stainless Steel | Stainless Steel |
| Contacts: | Fine Silver | Fine Silver | Fine Silver |
| Thread size: | 1.0" x 26TPI | 1.0" x 26TPI | - |
| RoHS | Compliant | Compliant | Compliant |

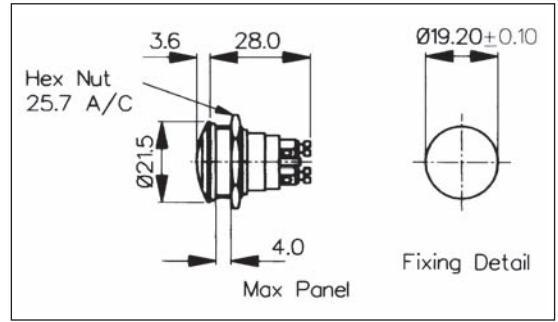
Stainless Steel Domed Vandal Resistant

FRONT PANEL MOUNTING



MP0037/3
Sealed to IP68

- Front Panel Sealed to IP68
- 21.5mm diameter
- Domed Profile
- S.P. Push to Make
- 1A, 50Vac/dc

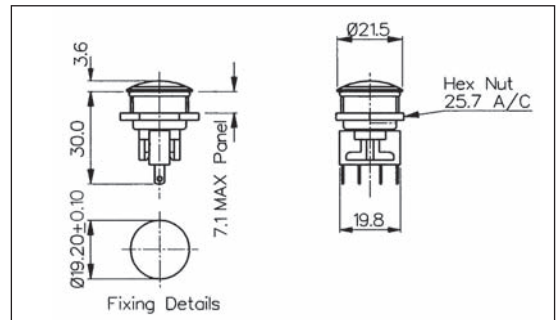


FRONT PANEL MOUNTING



MP0031/3
Sealed to IP66

- Front Panel Sealed to IP66
- 21.5mm diameter
- Domed Profile
- S.P.C.O. Microswitch
- 5A, 250Vac

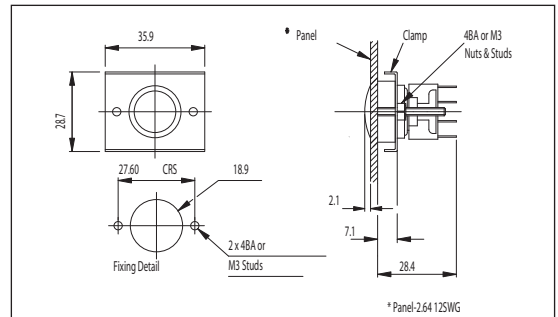


REAR PANEL MOUNTING



MP0034/3

- Rear Panel Mounting
- 19mm diameter
- Domed Profile
- S.P.C.O. Microswitch
- 5A, 250Vac



| Specification | MP0037/3 | MP0031/3 | MP0034/3 |
|--------------------------------|--|---|--|
| Terminations: | Screw Terminals | Solder Tags | Solder Tags |
| Switching: | S.P. Push to make Momentary action | S.P.C.O. Momentary Action (Microswitch) | S.P.C.O. Momentary Action (Microswitch) |
| Max. Rating: | 1A, 50Vac/dc | 5A, 250Vac 2A, 28Vdc | 5A, 250Vac 2A, 28Vdc |
| Contact Resistance: | <10mΩ | <10mΩ | <10mΩ |
| Insulation Resistance: | >10 ⁵ MΩ | >10 ³ MΩ. | >10 ³ MΩ |
| Dielectric Strength: | >1.0kVac | >2.0kVac | >2.0kVac |
| Operating Temp. Range: | -20°C to +70°C | -20°C to +70°C | -20°C to +70°C |
| Sealing (Front of panel only): | Protection Classification: IP68 EN60529 1992 (Terminals not sealed) | Protection Classification: IP66 EN60529 1992 (Micro switch not sealed) | - |
| Operations | | | |
| Mechanical: | 1,000,000 (min) | 1,000,000 (min) | 250,000 (min) |
| Electrical: | 30,000 (min) | 35,000 (min) | 35,000 (min) |
| Operating Pressure: | 7.5N (typ) | 4.7N (typ) | 2.7N (typ) |
| Rear Nut Fixing Torque: | 0.57Nm | 0.57Nm | - |
| Materials | | | |
| Mouldings: | Glass Filled Nylon | Glass Filled Nylon | Glass Filled Nylon |
| Tags/Terminations: | Brass, Silver Plated | Brass, Tin Plated | Brass, Tin Plated |
| Switch Body & Button: | Stainless Steel | Stainless Steel | Stainless Steel |
| Contacts: | Brass, Silver Plated, Silver | Fine Silver | Fine Silver |
| Thread size: | 0.747" x 26TPI | 0.747" x 26TPI | - |
| RoHS | Compliant | Compliant | Compliant |

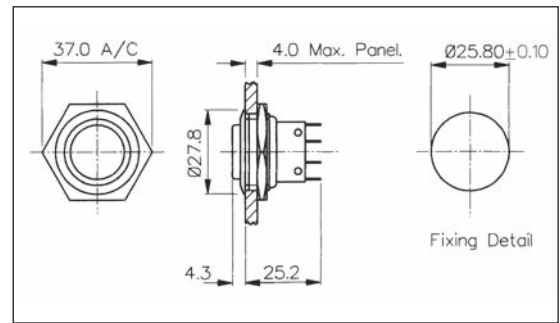
Stainless Steel Prominent Button Vandal Resistant

FRONT PANEL MOUNTING



MP0027/2

- 28mm diameter
- Prominent Button
- S.P.C.O. Microswitch
- 5A, 250Vac

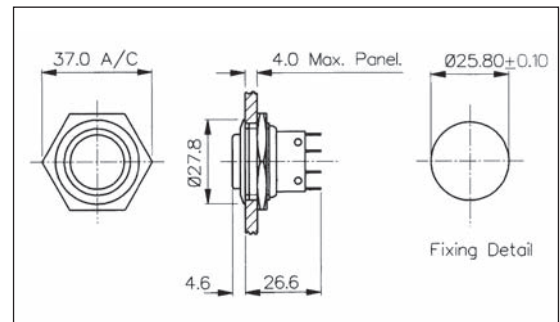


FRONT PANEL MOUNTING



MP0038/2
Sealed to IP66

- Front Panel Sealed to IP66
- 28mm diameter
- Prominent Button
- S.P.C.O. Microswitch
- 5A, 250Vac

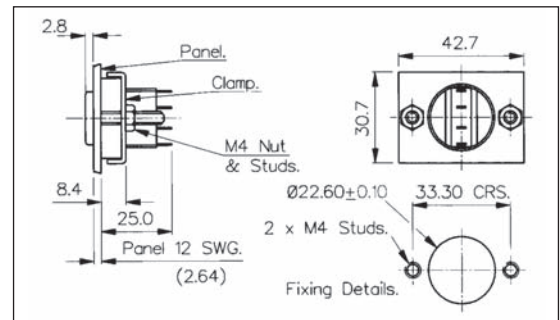


REAR PANEL MOUNTING



MP0025/2

- 22mm diameter
- Prominent Button
- S.P.C.O. Microswitch
- 5A, 250Vac



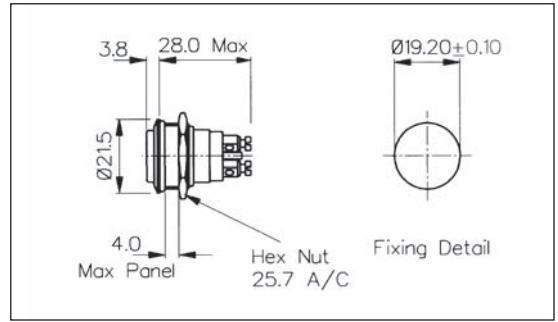
| Specification | MP0027/2 | MP0038/2 | MP0025/2 |
|--------------------------------|---|--|---|
| Terminations: | Solder Tags | Solder Tags | Solder Tags |
| Switching: | S.P.C.O. Momentary Action (Microswitch) | S.P.C.O. Momentary Action (Microswitch) | S.P.C.O. Momentary Action (Microswitch) |
| Max. Rating: | 5A, 250Vac 2A, 28Vdc | 5A, 250Vac 2A, 28Vdc | 5A, 250Vac 2A, 28Vdc |
| Contact Resistance: | <10mΩ | <10mΩ | <10mΩ |
| Insulation Resistance: | >10 ³ MΩ | >10 ³ MΩ. | >10 ³ MΩ |
| Dielectric Strength: | >2.0kVac | >2.0kVac | >2.0kVac |
| Operating Temp. Range: | -20°C to +70°C | -20°C to +70°C | -20°C to +70°C |
| Sealing (Front of panel only): | - | Protection Classification: IP66 EN60529 1992 (Micro switch not sealed) | - |
| Operations | | | |
| Mechanical: | 1,000,000 (min) | 1,000,000 (min) | 1,000,000 (min) |
| Electrical: | 35,000 (min) | 35,000 (min) | 35,000 (min) |
| Operating Pressure: | 7.5N (typ) | 12.5N (typ) | 6.1N (typ) |
| Rear Nut Fixing Torque: | 2.5Nm | 1.13Nm | - |
| Materials | | | |
| Mouldings: | Glass Filled Nylon | Glass Filled Nylon | Glass Filled Nylon |
| Tags/Terminations: | Brass, Tin Plated | Brass, Tin Plated | Brass, Tin Plated |
| Switch Body & Button: | Stainless Steel | Stainless Steel | Stainless Steel |
| Contacts: | Fine Silver | Fine Silver | Fine Silver |
| Thread size: | 1.0" x 26TPI | 1.0" x 26TPI | - |
| RoHS | Compliant | Compliant | Compliant |

Stainless Steel Prominent Button Vandal Resistant

FRONT PANEL MOUNTING



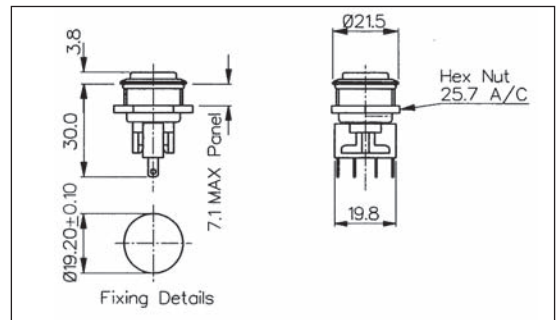
- Front Panel Sealed to IP68
- 21.5mm diameter
- Prominent Button
- S.P. Push to Make
- 1A, 50Vac/dc



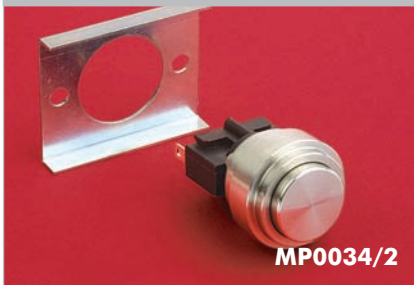
FRONT PANEL MOUNTING



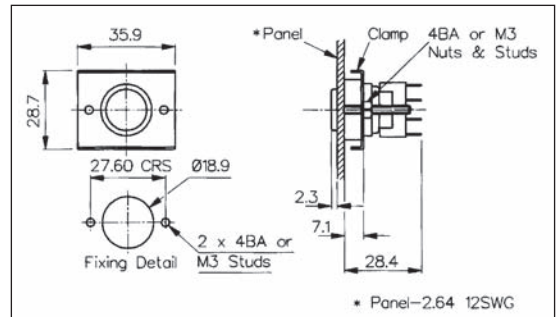
- Front Panel Sealed to IP66
- 21.5mm diameter
- Prominent Button
- S.P.C.O. Microswitch
- 5A, 250Vac



REAR PANEL MOUNTING



- 19mm diameter
- Prominent Button
- S.P.C.O. Microswitch
- 5A, 250Vac



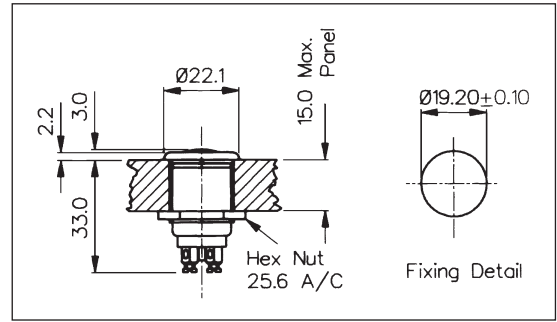
| Specification | MP0037/2 | MP0031/2 | MP0034/2 |
|--------------------------------|--|---|--|
| Terminations: | Screw Terminals | Solder Tags | Solder Tags |
| Switching: | S.P. Push to make Slow momentary action | S.P.C.O. Momentary Action (Microswitch) | S.P.C.O. Momentary Action (Microswitch) |
| Max. Rating: | 1A, 50Vac/dc | 5A, 250Vac 2A, 28Vdc | 5A, 250Vac 2A, 28Vdc |
| Contact Resistance: | <10mΩ | <10mΩ | <10mΩ |
| Insulation Resistance: | >10 ⁵ MΩ | >10 ³ MΩ. | >10 ³ MΩ |
| Dielectric Strength: | >1.0kVac | >2.0kVac | >2.0kVac |
| Operating Temp. Range: | -20°C to +70°C | -20°C to +70°C | -20°C to +70°C |
| Sealing (Front of panel only): | Protection Classification: IP68 EN60529 1992 (Terminals not sealed) | Protection Classification: IP66 EN60529 1992 (Micro switch not sealed) | - |
| Operations | | | |
| Mechanical: | 1,000,000 (min) | 1,000,000 (min) | 250,000 (min) |
| Electrical: | 30,000 (min) | 35,000 (min) | 35,000 (min) |
| Operating Pressure: | 7.5N (typ) | 4.7N (typ) | 2.7N (typ) |
| Rear Nut Fixing Torque: | 0.57Nm | 0.57Nm | - |
| Materials | | | |
| Mouldings: | Glass Filled Nylon | Glass Filled Nylon | Glass Filled Nylon |
| Tags/Terminations: | Brass, Silver Plated | Brass, Tin Plated | Brass, Tin Plated |
| Switch Body & Button: | Stainless Steel | Stainless Steel | Stainless Steel |
| Contacts: | Brass, Silver Plated, Silver | Fine Silver | Fine Silver |
| Thread size: | 0.747" x 26TPI | 0.747" x 26TPI | - |
| RoHS | Compliant | Compliant | Compliant |

Push Button

FRONT PANEL MOUNTING



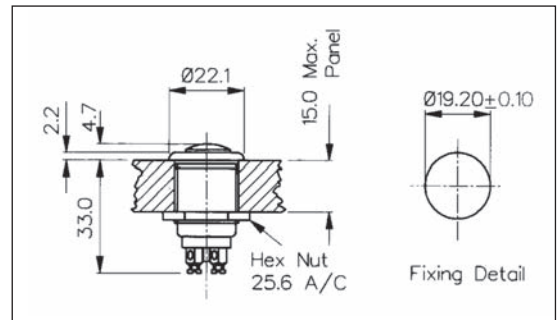
- Proud Fitting
- 22mm diameter
- S.P. Push to Make
- 1A, 50V
- Brass, Chrome Plated Body, Stainless Steel Button
- MP0033 Internally Sealed



FRONT PANEL MOUNTING



- Prominent Button
- 22mm diameter
- S.P. Push to Make
- 1A, 50V
- Brass, Chrome Plated Body, Stainless Steel Button
- MP0033/2 Internally Sealed



| Specification | MP0013, MP0033 | MP0013/2, MP0033/2 |
|--------------------------------|---|---|
| Terminations: | Screw Terminals | Screw Terminals |
| Switching: | S.P. Push to make Slow momentary action | S.P. Push to make Slow momentary action |
| Max. Rating: | 1A, 50Vac | 1A, 50Vac |
| Contact Resistance: | <15mΩ | <15mΩ |
| Insulation Resistance: | >10 ⁴ MΩ | >10 ⁴ MΩ |
| Dielectric Strength: | >2.5kVac | >2.5kVac |
| Operating Temp. Range: | -20°C to +85°C | -20°C to +85°C |
| Sealing (Front of panel only): | MP0033 only - internally sealed against ingress of water and dust | MP0033/2 only - internally sealed against ingress of water and dust |
| Materials: | | |
| Mouldings: | Glass Filled Nylon | Glass Filled Nylon |
| Tags/Terminations: | Brass, Silver Plated | Brass, Silver Plated |
| Switch Body & Button: | Body: Brass, Chrome Plated Button: Stainless Steel | Body: Brass, Chrome Plated Button: Stainless Steel |
| Contacts: | Copper, Silver Plated | Copper, Silver Plated |
| RoHS | Compliant | Compliant |

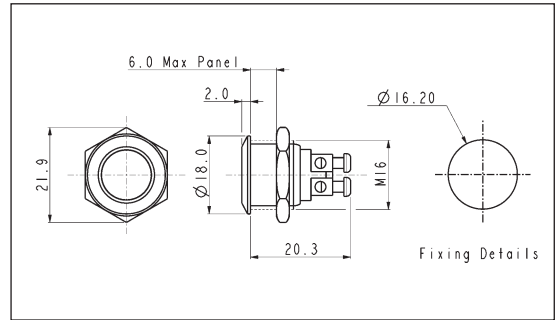
Stainless Steel - Momentary

FLUSH PROFILE



- 18mm bezel diameter
- 16mm panel hole
- S.P. Push to make
- Polished finish
- 2A, 48Vdc

MP0042/1

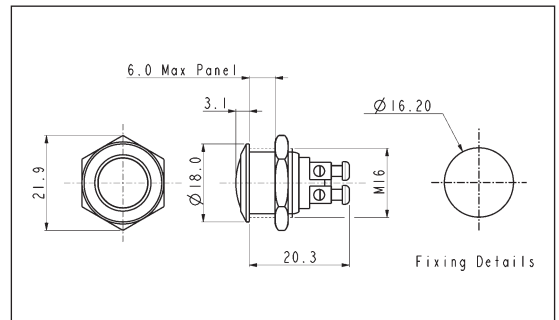


DOMED PROFILE



- 18mm bezel diameter
- 16mm panel hole
- S.P. Push to make
- Polished finish
- 2A, 48Vdc

MP0042/2

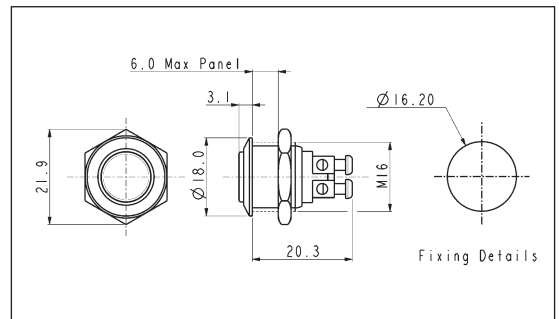


PROMINENT BUTTON



- 18mm bezel diameter
- 16mm panel hole
- S.P. Push to make
- Polished finish
- 2A, 48Vdc

MP0042/3



| Specification | MP0042/1 | MP0042/2 | MP0042/3 |
|-------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Terminations: | Screw Terminals | Screw Terminals | Screw Terminals |
| Switching: | S.P. Push to Make | S.P. Push to Make | S.P. Push to Make |
| Max. Rating: | 2A, 48Vdc | 2A, 48Vdc | 2A, 48Vdc |
| Contact Resistance: | 50mΩ at 1A, 2V | 50mΩ at 1A, 2V | 50mΩ at 1A, 2V |
| Insulation Resistance: | >10 ³ MΩ @ 500Vdc | >10 ³ MΩ @ 500Vdc | >10 ³ MΩ @ 500Vdc |
| Dielectric Strength: | >2.0kVac | >2.0kVac | >2.0kVac |
| Operating Temp. Range: | -20°C to +55°C | -20°C to +55°C | -20°C to +55°C |
| Operations | | | |
| Mechanical: | 1,000,000 (min) | 1,000,000 (min) | 1,000,000 (min) |
| Electrical: | 100,000 (min) | 100,000 (min) | 100,000 (min) |
| Rear Nut Fixing Torque: | 12Nm | 12Nm | 12Nm |
| Materials | | | |
| Mouldings: | Nylon | Nylon | Nylon |
| Tags/Terminations: | Brass, Silver Plated | Brass, Silver Plated | Brass, Silver Plated |
| Switch Body & Button: | Stainless Steel (Polished) | Stainless Steel (Polished) | Stainless Steel (Polished) |
| Contacts: | Silver | Silver | Silver |
| Variants: | Gold Plated Brass version available | Gold Plated Brass version available | Gold Plated Brass version available |
| RoHS | Compliant | Compliant | Compliant |

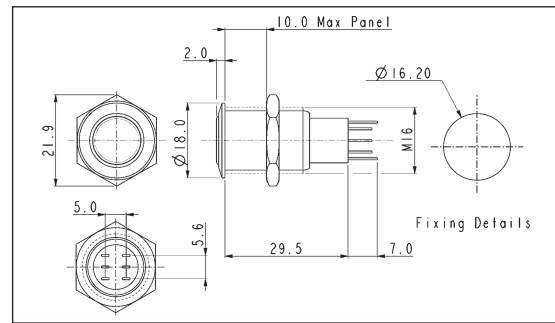
Stainless Steel - Momentary

LOW PROFILE



MP0045/1D

- 18mm bezel diameter
- 16mm fixing hole diameter
- D.P.C.O
- 3A, 250V

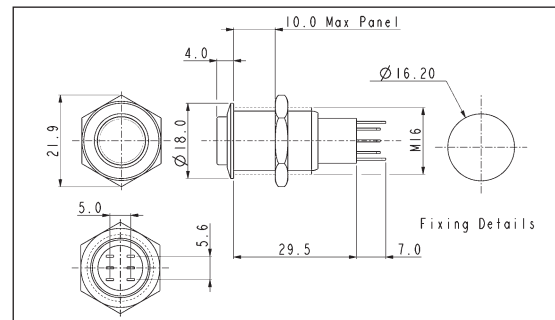


PROMINENT BUTTON

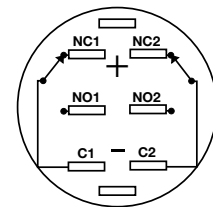


MP0045/3D

- 18mm bezel diameter
- 16mm fixing hole diameter
- D.P.C.O
- 3A, 250V



Contact Layout



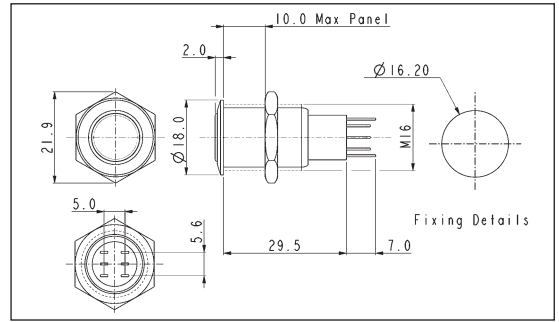
| Specification | MP0045/1D0NN000 | MP0045/3D0NN000 |
|-------------------------|--|--|
| Terminations: | Solder tags | Solder Tags |
| Switching: | D.P.C.O Momentary Action | D.P.C.O Momentary Action |
| Max. Rating: | 3A, 250V | 3A, 250V |
| Contact Resistance: | 50mΩ max. @ 1A, 2V | 50mΩ max. @ 1A, 2V |
| Insulation Resistance: | >10 ³ MΩ @ 500Vdc | >10 ³ MΩ @ 500Vdc |
| Dielectric Strength: | > 2.0kVac | > 2.0kVac |
| Operating Temp. Range: | -20°C to +55°C | -20°C to +55°C |
| Operations | | |
| Mechanical: | 200,000 (min) | 200,000 (min) |
| Electrical: | 30,000 (min) | 30,000 (min) |
| Rear Nut Fixing Torque: | 12Nm max. | 12Nm max. |
| Materials | | |
| Mouldings: | Nylon | Nylon |
| Tags/Terminations: | Brass, Silver Plated | Brass, Silver Plated |
| Switch Body & Button: | Stainless Steel | Stainless Steel |
| Contacts: | Silver | Silver |
| Variants: | Nickel Plated Brass version available details on request | Nickel Plated Brass version available details on request |
| RoHS | Compliant | Compliant |

Stainless Steel - Latching

LOW PROFILE



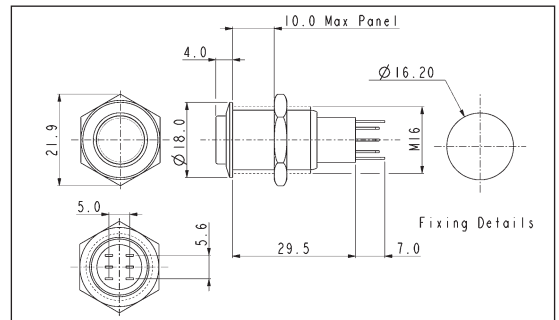
- 18mm bezel diameter
- 16mm fixing hole diameter
- D.P.C.O.
- 3A, 250Vac



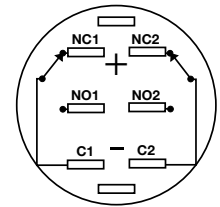
PROMINENT BUTTON



- 18mm bezel diameter
- 16mm fixing hole diameter
- D.P.C.O.
- 3A, 250Vac



Contact Layout



| Specification | MP0045/1E0NN000 | MP0045/3E0NN000 |
|-------------------------|---|---|
| Terminations: | Solder Tags | Solder Tags |
| Switching: | D.P.C.O. - Latching Action | D.P.C.O. - Latching Action |
| Max. Rating: | 3A, 250V | 3A, 250V |
| Contact Resistance: | 50mΩ max. @ 1A, 2V | 50mΩ max. @ 1A, 2V |
| Insulation Resistance: | >10 ³ MΩ @ 500Vdc | >10 ³ MΩ @ 500Vdc |
| Dielectric Strength: | >2.0kVac | >2.0kVac |
| Operating Temp. Range: | -20°C to +55°C | -20°C to +55°C |
| Operations | | |
| Mechanical: | 200,000 (min) | 200,000 (min) |
| Electrical: | 30,000 (min) | 30,000 (min) |
| Rear Nut Fixing Torque: | 12Nm max. | 12Nm max. |
| Materials | | |
| Mouldings: | Nylon | Nylon |
| Tags/Terminations: | Brass, Tin Plated | Brass, Tin Plated |
| Switch Body & Button: | Stainless Steel (Polished) | Stainless Steel (Polished) |
| Contacts: | Silver | Silver |
| Variants: | Nickel Plated Brass version details on request | Nickel Plated Brass version details on request |
| RoHS | Compliant | Compliant |

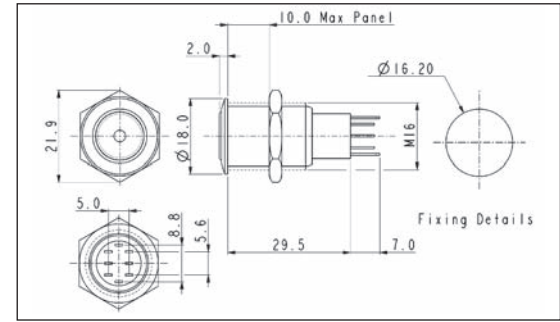
Stainless Steel Illuminated Momentary

FRONT PANEL MOUNTING



MP0045/1D1

- Dot Illuminated
- 18mm bezel diameter
- D.P.C.O.
- 3A, 250V ac
- Red, Green, Amber or Blue Illumination
- Separate LED Terminals

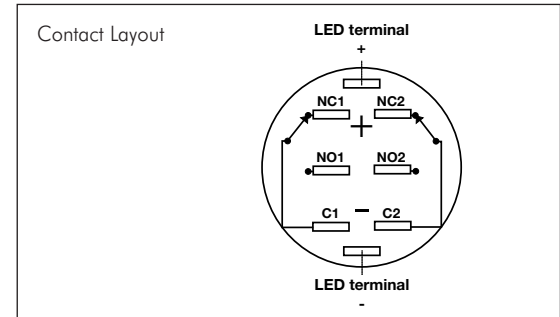
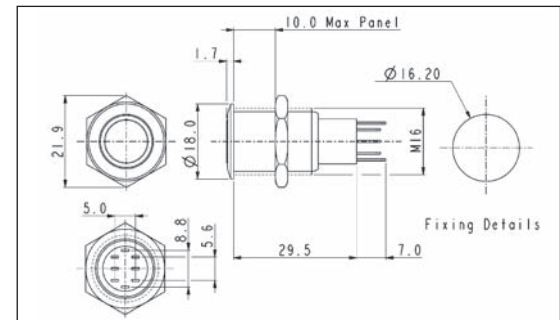


FRONT PANEL MOUNTING



MP0045/1D2

- Ring Illuminated
- 18mm bezel diameter
- D.P.C.O.
- 3A, 250V ac
- Red, Green, Amber or Blue Illumination
- Separate LED Terminals



| Specification | MP0045/1D1/Colour/Voltage | MP0045/1D2/Colour/Voltage |
|-------------------------|--------------------------------------|--------------------------------------|
| Terminations: | Solder Tags | Solder Tags |
| Illumination: | Dot | Ring |
| Switching: | D.P.C.O. Momentary Action | D.P.C.O. Momentary Action |
| Max. Switch Rating: | 3A, 250Vac | 3A, 250Vac |
| LEDs | | |
| Colours | Red Green Amber Blue | Red Green Amber Blue |
| Part No. | /RD /GN /AM /BL | /RD /GN /AM /BL |
| Voltage | 12Vdc 220Vdc | 12Vdc 220Vdc |
| Part No. | /012 /220 | /012 /220 |
| Contact Resistance: | 50mΩ max. @ 1A, 2Vdc | 50mΩ max. @ 1A, 2Vdc |
| Insulation Resistance: | >10 ³ MΩ @ 500Vac | >10 ³ MΩ @ 500Vac |
| Dielectric Strength: | >2.0kVac | >2.0kVac |
| Operating Temp. Range: | -20°C to +55°C | -20°C to +55°C |
| Operations | | |
| Mechanical: | 200,000 (min) | 200,000 (min) |
| Electrical: | 30,000 (min) | 30,000 (min) |
| Rear Nut Fixing Torque: | 12Nm | 12Nm |
| Materials | | |
| Mouldings: | Nylon | Nylon |
| Tags: | Brass, Silver Plated | Brass, Silver Plated |
| Switch Body & Button: | Stainless Steel (Polished) | Stainless Steel (Polished) |
| Variants | Prominent Button, details on request | Prominent Button, details on request |
| RoHS | Compliant | Compliant |

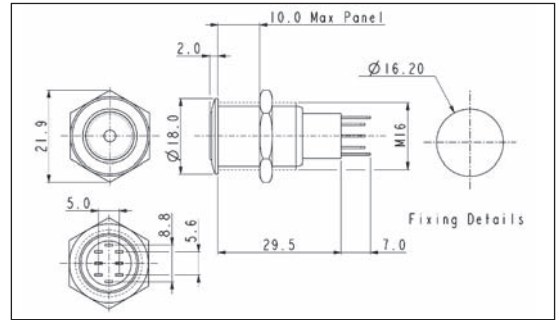
Stainless Steel Illuminated Latching

FRONT PANEL MOUNTING



MP0045/1E1

- Dot Illuminated
- 18mm bezel diameter
- D.P.C.O.
- 3A, 250V ac
- Red, Green, Amber or Blue Illumination
- Separate LED Terminals

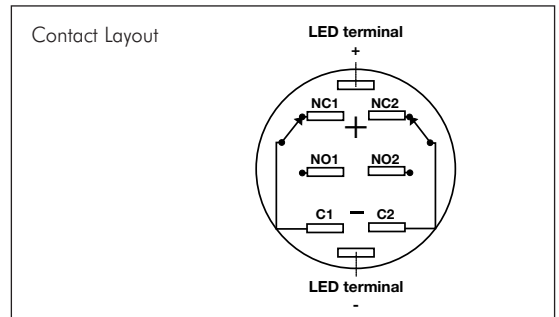
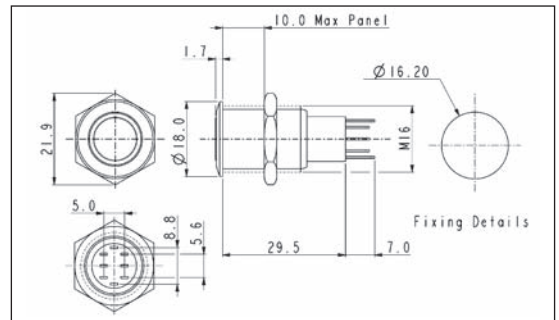


FRONT PANEL MOUNTING



MP0045/1E2

- Ring Illuminated
- 18mm bezel diameter
- D.P.C.O.
- 3A, 250V ac
- Red, Green, Amber or Blue Illumination
- Separate LED Terminals



| Specification | MP0045/1E1/Colour/Voltage | MP0045/1E2/Colour/Voltage |
|-------------------------|--------------------------------------|--------------------------------------|
| Terminations: | Solder Tags | Solder Tags |
| Illumination: | Dot | Ring |
| Switching: | D.P.C.O. Latching Action | D.P.C.O. Latching Action |
| Max. Switch Rating: | 3A, 250Vac | 3A, 250Vac |
| LEDs | | |
| Colours | Red Green Amber Blue | Red Green Amber Blue |
| Part No. | /RD /GN /AM /BL | /RD /GN /AM /BL |
| Voltage | 12Vdc 220Vdc | 12Vdc 220Vdc |
| Part No. | /012 /220 | /012 /220 |
| Contact Resistance: | 50mΩ max. @ 1A, 2Vdc | 50mΩ max. @ 1A, 2Vdc |
| Insulation Resistance: | >10 ³ MΩ @ 500Vac | >10 ³ MΩ @ 500Vac |
| Dielectric Strength: | >2.0kVac | >2.0kVac |
| Operating Temp. Range: | -20°C to +55°C | -20°C to +55°C |
| Operations | | |
| Mechanical: | 200,000 (min) | 200,000 (min) |
| Electrical: | 30,000 (min) | 30,000 (min) |
| Rear Nut Fixing Torque: | 12Nm | 12Nm |
| Materials | | |
| Mouldings: | Nylon | Nylon |
| Tags: | Brass, Silver Plated | Brass, Silver Plated |
| Switch Body & Button: | Stainless Steel (Polished) | Stainless Steel (Polished) |
| Variants | Prominent Button, details on request | Prominent Button, details on request |
| RoHS | Compliant | Compliant |

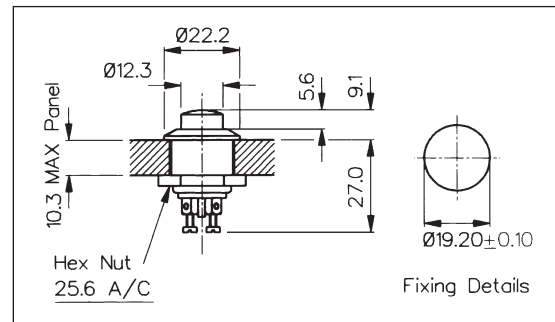
Push Button

FRONT PANEL MOUNTING



MP0012/Col

- 22mm diameter
- Prominent Button
- S.P. Push to Make
- Screw Terminals
- Brass, Chrome Plated Body, Glass Filled Nylon Button

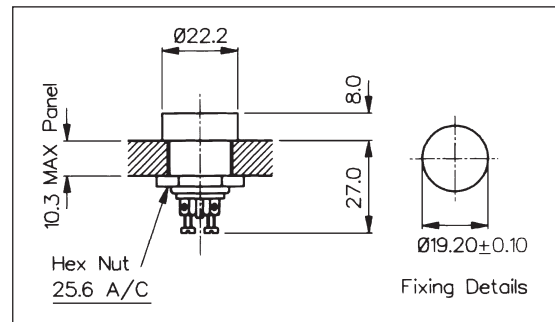


FRONT PANEL MOUNTING



MP0012/1/Col

- 22mm diameter
- Recessed Button
- S.P. Push to Make
- Screw Terminals
- Brass, Chrome Plated Body, Glass Filled Nylon Button

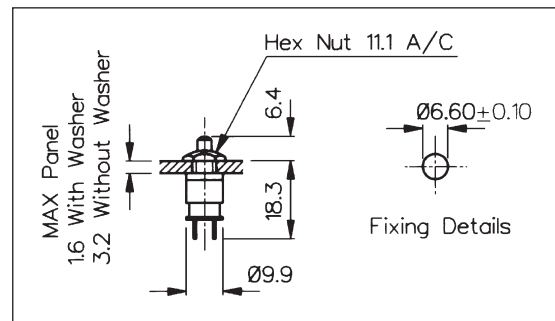


REAR PANEL MOUNTING



MP0016

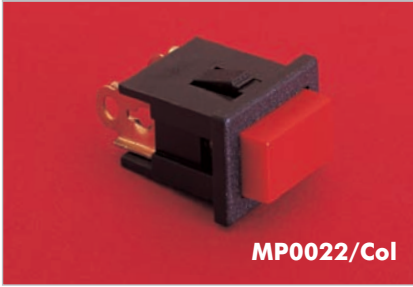
- S.P. Push to Make
- Solder Tags
- 1A, 28Vac/dc
- Brass Nickel Plated Body, Glass Filled Nylon Button



| Specification | MP0012/Colour | MP0012/1/Colour | MP0016/Colour |
|---------------------------|---|---|---|
| Terminations: | Screw Terminals | Screw Terminals | Solder Tags |
| Switching: | S.P. Push to Make Slow Momentary Action | S.P. Push to Make Slow Momentary Action | S.P. Push to Make Slow Momentary Action |
| Max. Rating: | 0.25A. 250Vac, 1A. 110Vac, 2A. 12Vac/dc | 0.25A. 250Vac, 1A. 110Vac, 2A. 12Vac/dc | 1A 28Vac/dc (non-inductive) |
| Contact Resistance: | <15mΩ | <15mΩ | <15mΩ |
| Insulation Resistance: | >10 ⁴ MΩ | >10 ⁴ MΩ. | >10 ⁴ MΩ |
| Dielectric Strength: | >2.5kVac | >2.5kVac | >2.0kVac |
| Operating Temp. Range: | -20°C to +85°C | -20°C to +85°C | -20°C to +85°C |
| Operating Pressure (typ): | 936gms (33ozs) | 936gms (33ozs) | 634gms (22ozs) |
| Materials: | | | |
| Moulding: | Glass Filled Nylon | Glass Filled Nylon | Glass Filled Nylon |
| Body: | Brass, Chrome Plated | Brass, Chrome Plated | Brass, Chrome Plated |
| Contacts/Terms: | Brass, Silver Plated | Brass, Silver Plated | Brass, Silver Plated |
| Variants: | Button Colour: Standard - Black, /RD (Red) | Button Colour: Standard - Black, /RD (Red) | Button Colour: Standard - Black, /RD (Red) |
| RoHS | Compliant | Compliant | Compliant |

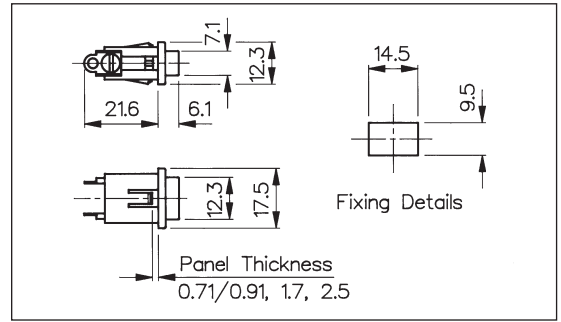
Push Button

FRONT PANEL MOUNTING

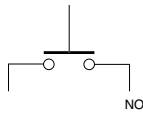


MP0022/Col

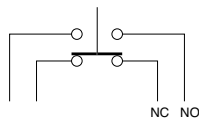
- S.P. Push to Make
- Solder Tags
- Nylon Body & Button



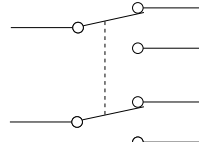
SWITCH CONTACT OPERATION



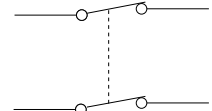
**S.P. Push to Make
S.P.M.B.**



S.P.C.O.



D.P.C.O.

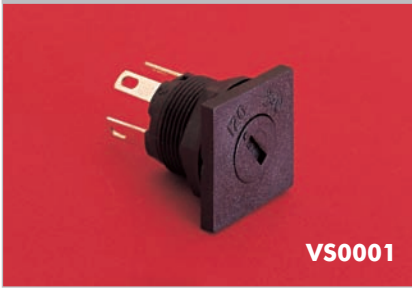


D.P.M.B.

| Specification | MP0022/Colour |
|------------------------|--|
| Terminations: | Solder Tags |
| Switching: | S.P. Push to Make Slow Momentary Action |
| Max. Rating: | 0.25A. 250Vac, 0.5A. 110Vac, 1A. 0.1 to 28Vac/dc |
| Contact Resistance: | <15mΩ |
| Insulation Resistance: | >10 ⁴ MΩ |
| Dielectric Strength: | >2.5kVac |
| Operating Temp. Range: | -20°C to +70°C |
| Sealing: | |
| Materials: | |
| Moulding: | Nylon |
| Tags: | Brass, Silver Plated |
| Body: | Nylon |
| Contacts/Terms: | Brass, Silver Plated |
| Variants: | Button Colours: Standard - Black, /WH (White) and /RD (Red). /TERM - (Screw terminals) |
| RoHS | Compliant |

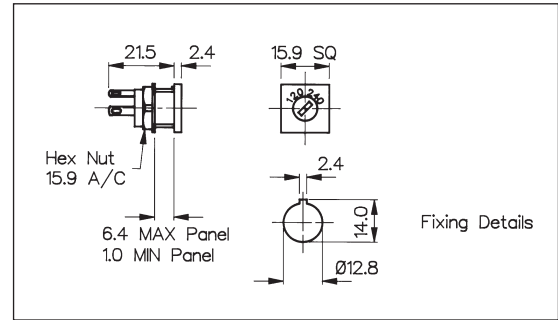
Voltage Selectors

120/240V VOLTAGE SELECTOR



VS0001

- 2.8 series tabs/solder tags
- Square Front Bezel
- 6.3A
- CSA & VDE approvals

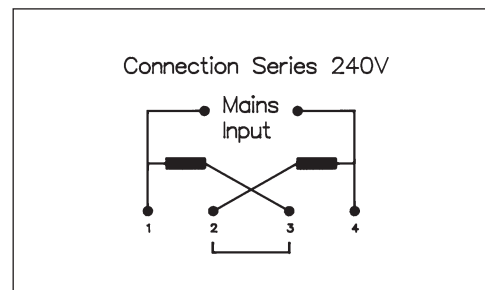
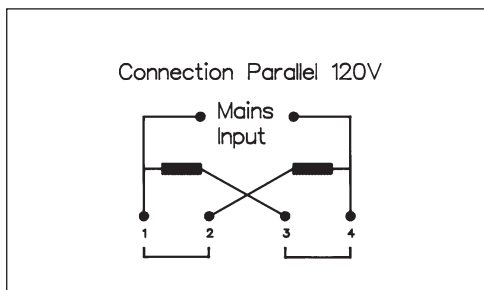
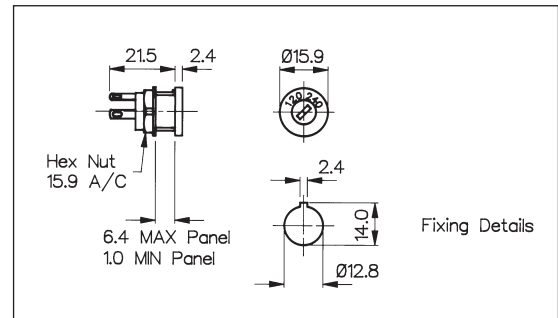


120/240V VOLTAGE SELECTOR



VS0002

- 2.8 series tabs/Solder tags
- Round Front Bezel
- 6.3A
- CSA & VDE approvals



| Specification | VS0001 | VS0002 |
|------------------------|------------------------------------|------------------------------------|
| Max. Rating: | 6.3A, 120/240V | 6.3A, 120/240V |
| Insulation Resistance: | >10 ⁶ MΩ | >10 ⁶ MΩ. |
| Termination: | 2.8 series tabs/solder tags | 2.8 series tabs/solder tags |
| Temperature Range: | -20°C to +85°C | -20°C to +85°C |
| Materials: | | |
| Mouldings: | Glass Filled Nylon UL94V-1 | Glass Filled Nylon UL94V-1 |
| Tags: | Brass, Silver Plated | Brass, Silver Plated |
| Contacts: | Copper Silver Alloy | Copper Silver Alloy |
| Approvals: | | |
| Variants: | Other markings, details on request | Other markings, details on request |
| RoHS | | Compliant |



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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Факс: 8 (812) 320-02-42

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