Miniature Stainless Steel Vandal Resistant



MAV0120



MAV0120

- O Prominent and Flush Profile
- 12mm Diameter
- 2A, 36 dc
- IP67 (Front of Panel Only)

P - Solder Tabs

2A, 36Vdc

≥50MΩ

≥1000M Ω

*-25°C ~ +55°C

S.P. Push to make

1500V, AC 50Hz, 5 Secs









Specification MAV0120/3 MAV0120/1 P - Solder Tabs

Switching: S.P. Push to make

Max Rating: 2A, 36Vdc Contact Resistance: ≥50MΩ

Insulation Resistance: ≥1000 $M\Omega$

Dielectric Strength: 1500V, AC 50Hz, 5 Secs

Operating Temp Range: *-25°C ~ +55°C

Operations

Terminations:

Mechanical: 500,000 (min) 500,000 (min) Electrical: 200,000 (min) 200,000 (min)

IP67 IP67 Sealing (Front of Panel Only)

Shock Resistance IK08 IK08

Rear Nut Fixing Torque: 0.6Nm 0.6Nm

Materials

Mouldings: PA PΑ

Tags/Terminations: Copper, Gold Plated Copper, Gold Plated

Switch Body & Button: Stainless Steel Stainless Steel

Contacts: Silver Alloy Silver Alloy Thread size: M12x0.75 M12x0.75 RoHS Compliant Compliant

232 Switches

Miniature Stainless Steel Illuminated Vandal Resistant



MAV0120



MAV0120

- O Dot and Ring Illumination
- Prominent and Flush Profile
- 12mm Diameter
- O 2A, 36 dc
- Bright daylight LEDs
- IP67 (Front of Panel Only)

Specification MAV0120

Terminations:

Switching:

Max Rating:

Profile:

Illumination Type

LED Ratings

Part No. Colours

Luminous Intensity Forward Voltage Forward Current

Moulding Current

Illumination Voltage

Contact Resistance: Insulation Resistance: Dielectric Strength:

Operating Temp. Range:

Operations

Mechanical: Electrical:

Sealing (Front of Panel Only)

Shock Resistance

Rear Nut Fixing Torque:

Materials

Mouldings:

Tags/Terminations: Switch Body & Button:

Contacts:

Thread size: RoHS

P - Solder Tabs

S.P. Push to make

2A, 36Vdc

Prominent /3 Flush /1

/1 Dot /2 Ring

> /RD /GN /BL /OR /AM Yellow Red Blue Orange Green 1.8V 2.8V 2.8V 1.8V 1.8V

> 15mA 15mA 15mA 15mA 15mA

/no suffix - No resistor fitted. An Appropriate resistor must be series connected by the user. Voltages as above

12V /12 /24 24V

≥50MΩ ≥1000MΩ

1500V, AC 50Hz, 5 Secs

*-25°C ~ +55°C

500,000 (min)

200,000 (min)

IP67

IK08

0.6Nm

Copper, Gold Plated Stainless Steel

Silver Alloy

M12x0.75 Compliant

















Miniature Domed Metal Vandal Resistant

None Illuminated - Metal Dome



MMP0120



- Raised Domed Profile
- 12mm Diameter
- 2A, 36Vac
- IP65 or IP67 (Front of Panel Only)

P - Solder Tabs

S - Screw Terminal

S.P. Push to make

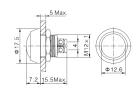
1500V, AC 50Hz, 5 Secs

2A, 36Vdc

≥50MΩ

≥1000MΩ

*-25°C ~ +55°C









MMP0120

Specification MMP0120/S MMP0120/N

Terminations: P - Solder Tabs S - Screw Terminal

Switching: S.P. Push to make

Max Rating: 2A, 36Vdc Contact Resistance: ≥50MΩ

Dielectric Strength: 1500V, AC 50Hz, 5 Secs

Operating Temp Range: *-25°C ~ +55°C

Operations

Insulation Resistance:

 Mechanical:
 500,000 (min)
 500,000 (min)

 Electrical:
 200,000 (min)
 200,000 (min)

≥1000MΩ

Sealing (Front of Panel Only) IP65 or IP67 IP65 or IP67

Shock Resistance IK08 IK08

Rear Nut Fixing Torque: 0.3Nm 0.3Nm

Materials

Mouldings: PBT PBT

Tags/Terminations: Brass, Silver Plated Brass, Silver Plated

Switch Body & Button: /SS Stainless Steel /N - Nickel Plated Brass

Contacts: Silver Alloy Silver Alloy

Thread size: M12x1 M12x1

RoHS Compliant Compliant

Miniature Domed PBT Pushbutton

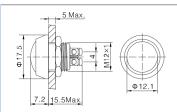
Non Illuminated - PB7

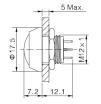


MMP0120/A



- Raised Domed Profile
- PBT Material
- 12mm Diameter
- 2A, 36Vac
- IP65 or IP67 (Front of Panel Only)









Specification

MMP0120/A

MMP0120/A

Terminations: P - Solder Tabs S - Screw Terminal

Switching: S.P. Push to make

Max Rating: 2A, 36Vdc Contact Resistance: ≥50MΩ

Insulation Resistance: ≥1000MΩ

Dielectric Strength: 1500V, AC 50Hz, 5 Secs

Operating Temp Range: *-25°C ~ +55°C

Operations

 Mechanical:
 1,000,000 (min)

 Electrical:
 200,000 (min)

Sealing (Front of Panel Only) IP65 or IP67

Shock Resistance IK08

Rear Nut Fixing Torque: 0.3Nm

Materials

Mouldings: PBT

Tags/Terminations: Brass, Silver Plated

Switch Body /A Black Anodised

Switch Button: /NB Nickel Plated Brass

/RD RED PBT
/GN GREEN PBT
/BL BLUE PBT
/BK BLACK PBT

Contacts: Silver Alloy
Thread size: M12x1
RoHS Compliant

Miniature Domed Illuminated Pushbutton

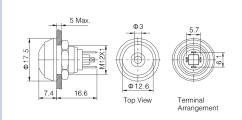


MMPI0120



MMPI0120

- Raised Domed Profile
- O Dot Illumination
- O Bright daylight LEDs
- 12mm Diameter
- O 2A, 36Vac
- O IP65 (Front of Panel Only)



Specification MMPI0120

P - Solder Tabs Terminations:

Switching: S.P. Push to make Max Rating: 2A, 36Vdc

LED Ratings

Part No. SS-RD SS-GN NN-RD ABK-RD AG-RD Colours Red Green Red Red Red Luminous Intensity Forward Voltage 1.8V 2.8V 1.8V 1.8V 1.8V Forward Current Moulding Current 15mA 15mA 15mA 15mA 15mA

Illumination Voltage /no suffix - No resistor fitted. An Appropriate resistor must be series connected by the user.

Voltages as above

/12

Contact Resistance: ≥50MΩ Insulation Resistance: ≥1000M Ω

1500V, AC 50Hz, 5 Secs Dielectric Strength:

Operating Temp. Range: *-25°C ~ +55°C

Operations

Mechanical: 1,000,000 (min) Electrical: 200,000 (min)

Sealing (Front of Panel Only) IP65

IK08 Shock Resistance

Rear Nut Fixing Torque: 0.3Nm

Materials

Mouldings:

Tags/Terminations: Brass, Silver Plated

Switch Body & Button: Stainless Steel Stainless Steel Nickel Plated Brass Black Anodized Black Anodized Body, Green PBT

Body, Black PBT Button

Button

Contacts: Silver Alloy Thread size: M12x1 RoHS Compliant

Part No System



12mm Miniature Vandal Resistant Stainless Steel Switch

MAV0120	/	X	/	X	/	X	/ x	/ x
Series MAV0120		Button 1 = Flush 3 = Prominent		Switching Type D = Momentary		Type of Illumination Blank = None 1 = Dot 2 = Ring	Illumination Colour Blank = None RD = RED GN = GREEN BL = BLUE AM = AMBER/YELLOW OR = ORANGE	Blank = None 012 = 12V 024 = 24V

Examples:

MAV0120/3D = 12mm Prominent Actuator, Momentary, Non Illuminated MAV0120/3D1BL024 = 12mm Prominent Actuator, Momentary, Blue Dot Illuminated, 24V MAV0120/3D2GN012 = 12mm Prominent Actuator, Momentary, Green Ring Illuminated, 12V

12mm Miniature Metal/Plastic Domed Pushbutton Switch

MMPXXX	/ x	/ x	/ x	/ x	/ x	/ x
Series	Body Material	Button Material & Colour	Sealing	lllumination Colour	Lamp Voltage	Termination
MMP0120 = Non Illuminated	S = Stainless Steel N = Nickel Plated Brass A = Black Anodized	SS = Nickel Plated Brass RD = RED PBT GN = GREEN PBT	Blank = IP65 67 = IP67 IP67	Blank = None RD = RED GN = GREEN	Blank = None 012 = 12V 024 = 24V	S = Screw Terminals P= Solder Terminals (2.0mm x 0.5mm)
MMPI0120 = Illuminated		BL = BLUE PBT BK = BLACK PBT	(non-illuminated only)	BL = BLUE AM = AMBER/YELLOW OR = ORANGE	Other voltages require external resistor	i I I I
		i		I I		I I

Examples:

MMP0120/SSSS = 12mm, Non Illuminated, All Stainless Steel, IP65, Screw Terminals MMP0120/ARD67/S = 12mm, Non Illuminated, Black anodized body, Red PBT button, IP67, screw terminals MMPI0120/NNBRD012P = 12mm, Illuminated, All Nickel Plated Brass with 12V Red Dot illumination, IP65, Pin Terminals