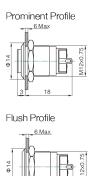
12mm Switches Miniature Stainless Steel Vandal Resistant

Prominent Button / Flush Profile

MAV0120



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





Specification	MAV0120/3	MAV0120/1	0 14 M12x0.76
Terminations:	P - Solder Tabs	P - Solder Tabs	1.5
Switching:	S.P. Push to make	S.P. Push to make	
Max Rating:	2A, 36Vdc	2A, 36Vdc	
Contact Resistance:	≥50MΩ	≥50MΩ	
Insulation Resistance:	≥1000MΩ	≥1000MΩ	
Dielectric Strength:	1500V, AC 50Hz, 5 Secs	1500V, AC 50Hz, 5 Secs	
Operating Temp Range:	*-25°C ~ +55°C	*-25°C ~ +55°C	
Operations			
Mechanical:	500,000 (min)	500,000 (min)	
Electrical:	200,000 (min)	200,000 (min)	
Sealing (Front of Panel Only)	IP67	IP67	
Shock Resistance	IK08	IK08	
Rear Nut Fixing Torque:	0.6Nm	0.6Nm	
Materials			
Mouldings:	PA	PA	
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	



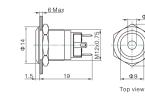
12mm Switches Miniature Stainless Steel Illuminated Vandal Resistant

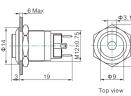
Illuminated traditional

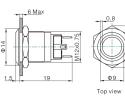
MAV0120

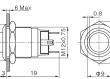


- O Dot and Ring Illumination
- Prominent and Flush Profile
 12mm Diameter
- 1211111 Diame
 2A, 36 dc
- Dright daylight LEDs
- IP67 (Front of Panel Only)
- MAV0120









Top view

bulgin

Φ3.1

Specification	MAV0120							
Terminations:	P - Solder Tabs							
Switching:	S.P. Push to make							
Max Rating:	2A, 36Vdc							
Profile:	Prominent /3 Flush /1							
Illumination Type	/1 Dot /2 Ring							
LED Ratings Part No. Colours Luminous Intensity Forward Voltage Forward Current Moulding Current Illumination Voltage	/RD /GN /BL /OR /AM Red Green Blue Orange Yellow 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							
numination voitage	 /10 sum - No resistor integ. An Appropriate resistor must be series connected by the user. Voltages as above /12 12V /24 24V 							
Contact Resistance: Insulation Resistance: Dielectric Strength: Operating Temp. Range:	≥50MΩ ≥1000MΩ 1500V, AC 50Hz, 5 Secs *-25°C ~ +55°C							
Operations								
Mechanical: Electrical:	500,000 (min) 200,000 (min)							
Sealing (Front of Panel Only)	IP67							
Shock Resistance	IK08							
Rear Nut Fixing Torque:	0.6Nm							
Materials								
Mouldings: Tags/Terminations: Switch Body & Button:	PA Copper, Gold Plated Stainless Steel							
Contacts:	Silver Alloy							
Thread size: RoHS	M12x0.75 Compliant							

12mm Switches Miniature Domed Metal Vandal Resistant

None Illuminated - Metal Dome

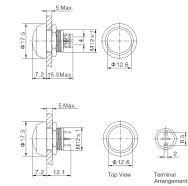
MMP0120



\bigcirc	Raised Domed Profile
\frown	12mm Diamotor

- 12mm Diamete
- 2A, 36Vac
 IP65 or IP67 (Front of Panel Only)

MMP0120



Specification	MMP0120/S	MMP0120/N
Terminations:	P - Solder Tabs S - Screw Terminal	P - Solder Tabs S - Screw Terminal
Switching:	S.P. Push to make	S.P. Push to make
Max Rating:	2A, 36Vdc	2A, 36Vdc
Contact Resistance:	≥50MΩ	≥50MΩ
Insulation Resistance:	≥1000MΩ	≥1000MΩ
Dielectric Strength:	1500V, AC 50Hz, 5 Secs	1500V, AC 50Hz, 5 Secs
Operating Temp Range:	*-25°C ~ +55°C	*-25°C ~ +55°C
Operations		
Mechanical:	500,000 (min)	500,000 (min)
Electrical:	200,000 (min)	200,000 (min)
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	РВТ
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



12mm Switches Miniature Domed PBT Pushbutton

MMP0120/A

MMP0120/A

Non Illuminated - PBT

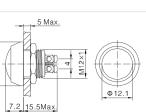
MMP0120/A

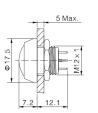
Specification



C Raised	Domed	Profile
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- PBT Material
- 0 12mm Diameter
- 2A, 36Vac
 IP65 or IP67 (Front of Panel Only)





Φ17.5



Φ12

Top View

bulgin

Terminal Arrangement

•					
Terminations:	P - Solder Tabs				
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				
5					
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				

12mm Switches Miniature Domed Illuminated Pushbutton

Stainless Steel and PBT



MMPI0120	 Raised Domed Profile Dot Illumination Bright daylight LEDs 12mm Diameter 2A, 36Vac IP65 (Front of Panel Only) 	5 Max. 0 0 0 0 0 12.6 Top View Terminal Arrangement
MMPI0120		Arrangement

Specification	MMPI0120				
Terminations:	P - Solder Tabs				
Switching: Max Rating:	S.P. Push to make 2A, 36Vdc				
LED Ratings					
Part No. Colours Luminous Intensity	SS-RD Red	SS-GN Green	NN-RD Red	ABK-RD Red	AG-RD Red
Forward Voltage Forward Current	1.8V	2.8V	1.8V	1.8V	1.8V
Moulding Current	15mA	15mA	15mA	15mA	15mA
Illumination Voltage	Voltages as above	itted. An Appropriate	resistor must be series cc	nnected by the user.	
	/12				
Contact Resistance: Insulation Resistance: Dielectric Strength: Operating Temp. Range:	≥50MΩ ≥1000MΩ 1500V, AC 50Hz, 5 Secs *-25°C ~ +55°C	5			
Operations Mechanical: Electrical:	1,000,000 (min) 200,000 (min)				
Sealing (Front of Panel Only)	IP65				
Shock Resistance	IK08				
Rear Nut Fixing Torque:	0.3Nm				
Materials					
Mouldings: Tags/Terminations: Switch Body & Button:	PBT Brass, Silver Plated Stainless Steel	Stainless Steel	Nickel Plated Brass	Black Anodized Body, Black PBT Button	Black Anodized Body, Green PBT Button
Contacts: Thread size: RoHS	Silver Alloy M12x1 Compliant				



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		Lamp Voltage 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

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

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