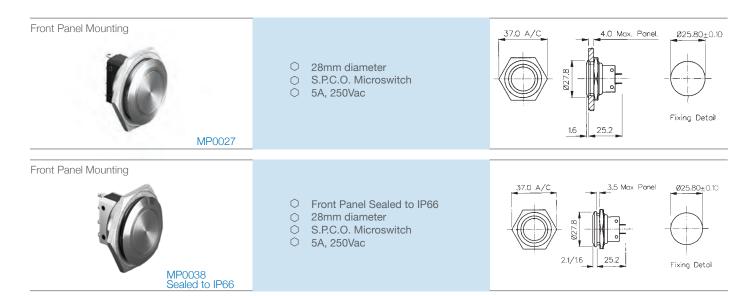
Switches Stainless Steel Low Profile Vandal Resistant

Momentary





Specifications	MP0027	MP0038
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: IP66 EN60529-1:1992 + A2:2013. (Micro switch not sealed)
Operations Mechanical: Electrical:	1,000,000 (min) 35,000 (min)	1,000,000 (min) 35,000 (min)
Operating Pressure:	7.5N (typ)	12.5N (typ)
Rear Nut Fixing Torque:	2.5Nm	1.13Nm
Materials Mouldings: Tags/Terminations: Switch Body & Button:	Glass Filled Nylon Brass, Tin Plated Stainless Steel	Glass Filled Nylon Brass, Tin Plated Stainless Steel
Contacts:	Fine Silver	Fine Silver
Thread size:	1.0" x 26TPI	1.0" x 26TPI
RoHS	Compliant	Compliant

Switches Stainless Steel Low Profile Vandal Resistant

Momentary





Specifications	MP0037	MP0031
Terminations:	Screw Terminals	Solder Tags
Switching:	S.P. Push to make Momentary action	S.P.C.O. Momentary Action (Microswitch)
Max. Rating:	1A, 50Vac/dc	5A, 250Vac 2A, 28Vdc
Contact Resistance:	<10mΩ	<10mΩ
Insulation Resistance:	>10 ⁵ MΩ	>10 ³ MΩ
Dielectric Strength:	>1.0kVac	>2.0kVac
Operating Temp. Range:	–20°C to +70°C	-20°C to +70°C
Sealing (Front of panel only):	Protection Classification: IP68 EN 60529:1992+A2:2013 (Micro switch not sealed)	Protection Classification: IP66 EN60529-1:1992 + A2:2013. (Micro switch not sealed)
IP68 rating 10M for 2 weeks test:	Passed	(micro switch hot search)
Operations Mechanical: Electrical:	1,000,000 (min) 30,000 (min)	1,000,000 (min) 35,000 (min)
Operating Pressure:	7.5N (typ)	4.7N (typ)
Rear Nut Fixing Torque:	0.57Nm	0.57Nm
Materials Mouldings: Tags/Terminations: Switch Body & Button:	Glass Filled Nylon Brass, Silver Plated Stainless Steel	Glass Filled Nylon Brass, Tin Plated Stainless Steel
Contacts:	Brass, Silver Plated, Silver	Fine Silver
Thread size:	0.747" x 26TPI	0.747" x 26TPI
RoHS	Compliant	Compliant





Specifications	MPI001/	Terminatio	n/Colour/V	oltage				
Illumination style: Terminations: Switching:	Dot /28 (2.8mm tabs), /TERM or /TE (screw terminals) Single pole push to make tactile (momentary action)							
		Single pole, push to make, tactile (momentary action)						
Max. Switch Rating:	50mA, 24\	Vác						
LEDs (ratings @ 20mA) Part No. Colours Luminous Intensity Forward Voltage Forward Current Moulding Colour	/RD Red 900mcd 1.85V 20mA Red	/GN Green 2500mcd 3.5V 20mA Green	/AM Amber 900mcd 2.3V 20mA Amber	/BL Blue 1500mcd 3.5V 20mA Blue	/WH White 900mcd 3.6V 20mA White	/D1 Red/Green 2500mcd/5000mcd 2.05V/3.6V 20mA Black	/D4 Red/Blue 2000mcd/850mcd 2.0V/3.6V 20mA Black	/D5 Green/Blue 4000mcd/2000mcd 3.6V/3.6V 20mA Black
Illumination Voltage: Contact Resistance: Insulation Resistance: Dielectric Strength:	 /no suffix No resistor fitted. An appropriate resistor must be series connected by the user. Voltages as above. /6 6Vdc /12 12Vdc /24 24Vdc <100mΩ >10³ MΩ Contact to Panel >2.0kV Contact to Contact 1500 							
Operating Temp. Range: Sealing (Front of panel only): Operations Mechanical: Electrical:	–30°C to +70°C Protection Classification: IP66 EN60529-1:1992 + A2:2013. (Micro switch not sealed) 750,000 (min) 35,000 (min)							
Operating Pressure: Rear Nut Fixing Torque:	12N 0.57Nm							
Screw Terminal Torque	0.2Nm Ma	ax					Dual Colour L	ED Configuration
Materials Switch assembly: Tags: Terminals: Switch Body & Button: Lens and Lens Body: O ring: Internal seal: Contact Plate: Thread size:	UL94V-0 r Copper Al Copper Al Stainless 3 Polycarbo Nitrile Silicone Gold Plate 18.97mm	lloy Steel onate	de (Nylon)				/D1 /D4	+ Red Green
RoHS		lling precautio	ons must be t	aken			/D5	+ Green





Specifications	MPI002/Termi	nation/Colour/	/oltage				
Illumination style: Terminations:	Ring /28 (2.8mm tabs),						
Switching:	/TERM or /TE (screw terminals) Single pole, push to make, tactile (momentary action)						
Max. Switch Rating:	50mA, 24Vdc						
LEDs (ratings @ 20mA) Part No. Colours Luminous Intensity Forward Voltage	/RD /GN Red Gree 900mcd 2500 1.85V 3.5V	ncd 900mcd 2.3V	/BL Blue 1500mcd 3.5V	/WH White 900mcd 3.6V	/D1 Red/Green 2500mcd/5000mcd 2.05V/3.6V	/D4 Red/Blue 2000mcd/850mcd 2.0V/3.6V	/D5 Green/Blue 4000mcd/2000mcd 3.6V/3.6V
Forward Current Moulding Colour	20mA 20mA Red Gree		20mA Blue	20mA White	20mA Black	20mA Black	20mA Black
Illumination Voltage: Contact Resistance: Insulation Resistance: Dielectric Strength:	/no suffix No res /6 6Vdc /12 12Vd /24 24Vd <100mΩ	>2.0kV	ropriate resisto	or must be se	eries connected by the u	iser. Voltages as above.	
Operating Temp. Range: Sealing (Front of panel only): Operations Aechanical: Electrical:	–30°C to +70°C Protection Classific 750,000 (min) 35,000 (min)	tion: IP66 EN60529-	1:1992 + A2:2013	. (Micro switcl	n not sealed)		
Operating Pressure: Rear Nut Fixing Torque:	12N 0.57Nm						
Screw Terminal Torque	0.2Nm Max					Dual Colour L	ED Configuration
Materials Switch assembly: Tags: Terminals: Switch Body & Button:	UL94V-0 rated Po Copper Alloy Copper Alloy Stainless Steel	lyamide (Nylon)				/D1	+ Rod Green
Lens and Lens Body: D ring: nternal seal: Contact Plate: Fhread size:	Polycarbonate Nitrile Silicone Gold Plated 18.97mm x 26TP					/D4	+ Blue Green
RoHS	ESD Handling pro Compliant	cautions must be	taken			/D5	Blue

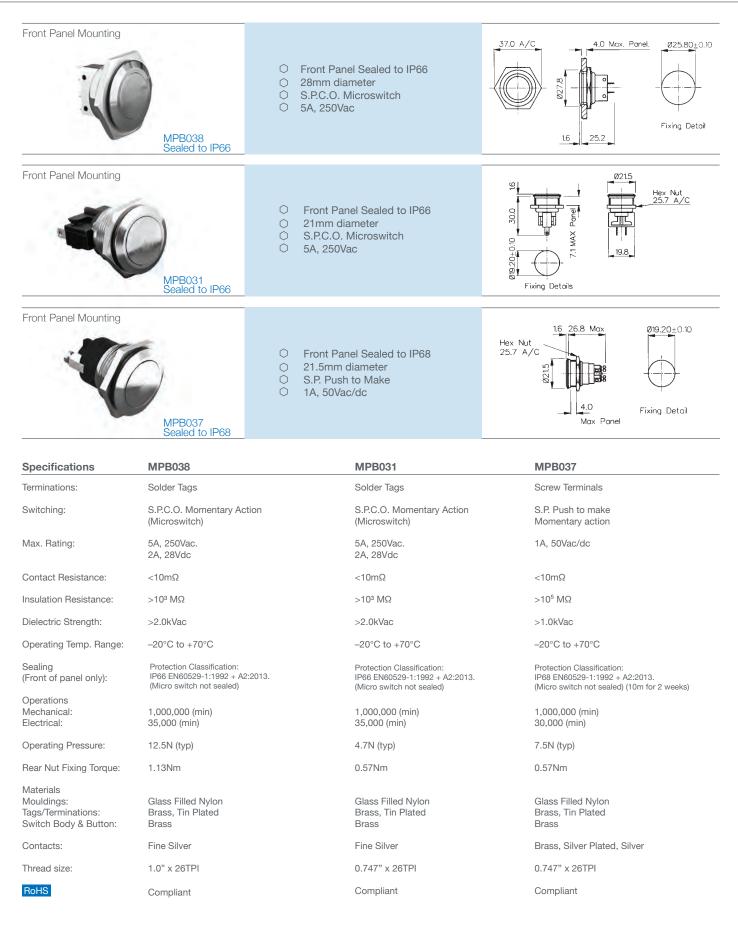
Switches Stainless Steel Illuminated Vandal Resistant Rear of panel IP66 seal



		~		
Rear Panel Sealed - Flyin	a Leade			
	Memory 2000 Ring illumination 22mm diameter Single pole push to make Single pole push to make 50mA, 24Vdc contact rating Red, Green, Amber, Blue, Wh dual colour illumination Bright daylight LEDs Independent LED terminals Front panel seal to IP66 Integral supply resistors MPI002/FL/xx/x TVS protection	hite or Firing Deterts Firing Deterts Firing Deterts Firing Deterts Firing Deterts		
Rear Panel Sealed - Sold	ler Tags			
	Dot or ring illumination 22mm diameter Single pole push to make 50mA, 24Vdc contact rating Red, Green, Amber, Blue & W illumination Bright daylight LEDs Independent LED terminals Front and rear panel seal to II Solder tag termination MPI001/RP/xx/x			
Specifications	MPI001/Termination/Colour/Voltage	MPI002/Termination/Colour/Voltage		
Illumination style: Terminations: Switching:	Dot /FL (Flying leads) /RP (Solder tags) Single pole, push to make, tactile (momentary action)	Ring /FL (Flying leads) /RP (Solder tags) Single pole, push to make, tactile (momentary action)		
Max. Switch Rating:	50mA, 24Vdc	50mA, 24Vdc		
LEDs (ratings @ 20mA)		00111, 21, 200		
Part No. Colours Luminous Intensity Forward Voltage Forward Current Moulding Colour	/RD/GN/AM/BL/WHRedGreenAmberBlueWhite900mcd2500mcd900mcd1500mcd900mcd1.85V3.5V2.3V3.5V3.6V20mA20mA20mA20mA20mARedGreenAmberBlueWhite	/RD/GN/AM/BL/WHRedGreenAmberBlueWhite900mcd2500mcd900mcd1500mcd900mcd1.85V3.5V2.3V3.5V3.6V20mA20mA20mA20mA20mARedGreenAmberBlueWhite		
Illumination Voltage: Contact Resistance: Insulation Resistance: Dielectric Strength:	 /no suffix No resistor fitted. An appropriate resistor must be series connected by the user. Voltages as above. /6 6Vdc /12 12Vdc /24 24Vdc <100mΩ >10³ MΩ Contact to Panel >2.0kV 	connected by the user. Voltages as above. /6 6Vdc /12 12Vdc /24 24Vdc <100mΩ >10 ³ MΩ Contact to Panel >2.0kV		
Operating Temp. Range: Sealing (Front of panel only):	Contact to Contact 1500 –30°C to +70°C Protection Classification: IP66 EN60529-1:1992 + A2:2013.	Contact to Contact 1500 –30°C to +70°C Protection Classification: IP66 EN60529-1:1992 + A2:2013.		
Operations Mechanical: Electrical:	(Micro switch not sealed) 750,000 (min) 35,000 (min)	(Micro switch not sealed) 750,000 (min) 35,000 (min)		
Operating Pressure: Rear Nut Fixing Torque:	12N 0.57Nm	12N 0.57Nm		
Materials Switch assembly: Tags: Terminals: Switch Body & Button: Lens and Lens Body: O ring: Internal seal: Contact Plate: Thread size:	UL94V-0 rated Polyamide (Nylon) Copper Alloy Copper Alloy Stainless Steel Polycarbonate Nitrile Silicone Gold Plated 18.97mm x 26TPI	UL94V-0 rated Polyamide (Nylon) Copper Alloy Copper Alloy Stainless Steel Polycarbonate Nitrile Silicone Gold Plated 18.97mm x 26TPI ESD Handling precautions must be taken		
RoHS	ESD Handling precautions must be taken Compliant	Compliant		

Switches Low Profile Brass Chrome Plated Vandal Resistant





Switches Stainless Steel Large Diameter Vandal Resistant

Momentary

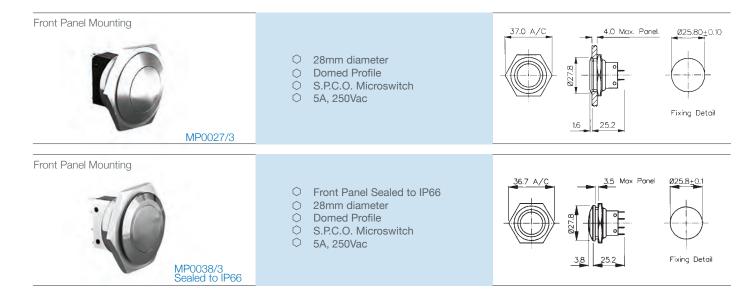




Specifications	MP0050	MP0050/2
Terminations:	Solder Tags	Solder Tags
Switching:	S.P.C.O. Momentary Action (Microswitch)	S.P.C.O. Momentary Action (Microswitch)
Max. Rating:	5A, 250Vac. 2A, 28Vdc	5A, 250Vac. 2A, 28Vdc
Contact Resistance:	<10mΩ	<10mΩ
Insulation Resistance:	>10 ³ MΩ	>10 ³ MΩ
Dielectric 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: IP66 EN60529-1:1992 + A2:2013. (Micro switch not sealed)	Protection Classification: IP66 EN60529-1:1992 + A2:2013. (Micro switch not sealed)
Operations Mechanical: Electrical:	1,000,000 (min) 35,000 (min)	1,000,000 (min) 35,000 (min)
Operating Pressure:	4.7Nm	4.7N (typ)
Rear Nut Fixing Torque:	0.57Nm	0.57Nm
Materials Mouldings: Tags/Terminations: Switch Body & Button:	Glass Filled Nylon Brass, Tin Plated Stainless Steel	Glass Filled Nylon Brass, Tin Plated Stainless Steel
Contacts:	Fine Silver	Fine Silver
Thread size:	M27 x 1.0-6H	M27 x 1.0-6H
RoHS	Compliant	Compliant

Switches Stainless Steel Domed Vandal Resistant





Specifications	MP0027/3	MP0038/3
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: IP66 EN60529-1:1992 + A2:2013. (Micro switch not sealed)
Operations Mechanical: Electrical:	1,000,000 (min) 35,000 (min)	1,000,000 (min) 35,000 (min)
Operating Pressure:	7.5N (typ)	12.5N (typ)
Rear Nut Fixing Torque:	2.5Nm	1.13Nm
Materials Mouldings: Tags/Terminations: Switch Body & Button:	Glass Filled Nylon Brass, Tin Plated Stainless Steel	Glass Filled Nylon Brass, Tin Plated Stainless Steel
Contacts:	Fine Silver	Fine Silver
Thread size:	1.0" x 26TPI	0.747" x 26TPI
RoHS	Compliant	Compliant

Switches Stainless Steel Domed Vandal Resistant

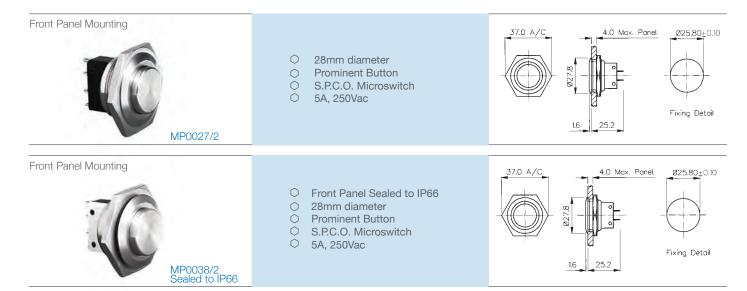




Sol	lder Tags
	P.C.O. Momentary Action icroswitch)
	, 250Vac. , 28Vdc
<10	0mΩ
>10	0 ³ MΩ
>2.	.0kVac
-20	0°C to +70°C
A2:2013. IP66	stection Classification: i6 EN60529-1:1992 + A2:2013. cro switch not sealed)
	000,000 (min) ,000 (min)
4.7	/N (typ)
0.5	57Nm
Bra	ass Filled Nylon ass, Tin Plated ainless Steel
Silver Fine	ne Silver
0.74	747" x 26TPI
Cor	mpliant
	S.I (M 5A 2A <1 >1 >2 -2 : A2:2013.) (10m for 2 weeks) (Mi 35 4.7 0.5 Gla Br: Stilver Fir 0.7

Switches Stainless Steel Prominent Button Vandal Resistant

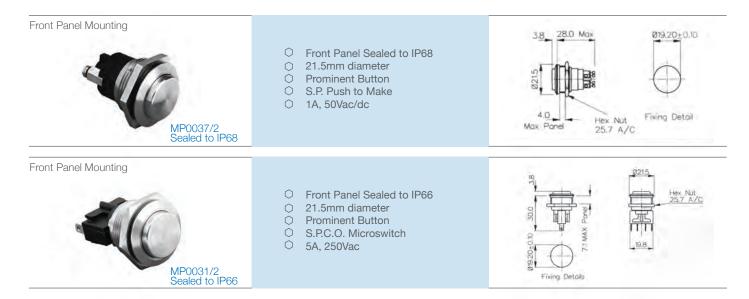




Specifications	MP0027/2	MP0038/2
Terminations:	Solder Tags	Solder Tags
Switching:	S.P.C.O. Momentary Action (Microswitch)	S.P.C.O. Momentary Action (Microswitch)
Max. Rating:	5A, 250Vac 2A, 28Vdc	5A, 250Vac. 2A, 28Vdc
Contact Resistance:	<10mΩ	<10mΩ
Insulation Resistance:	>10³ MΩ	>10 ³ MΩ
Dielectric 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 EN60529-1:1992 + A2:2013. (Micro switch not sealed)
Operations Mechanical: Electrical:	1,000,000 (min) 35,000 (min)	1,000,000 (min) 35,000 (min)
Operating Pressure:	7.5N (typ)	12.5N (typ)
Rear Nut Fixing Torque:	2.5Nm	1.13Nm
Materials Mouldings: Tags/Terminations: Switch Body & Button:	Glass Filled Nylon Brass, Tin Plated Stainless Steel	Glass Filled Nylon Brass, Tin Plated Stainless Steel
Contacts:	Fine Silver	Fine Silver
Thread size:	1.0" x 26TPI	1.0" x 26TPI
RoHS	Compliant	Compliant

Switches Stainless Steel Prominent Button Vandal Resistant





Specifications	MP0037/2	MP0031/2
Terminations:	Screw Terminals	Solder Tags
Switching:	S.P. Push to make Slow momentary action	S.P.C.O. Momentary Action (Microswitch)
Max. Rating:	1A, 50Vac/dc	5A, 250Vac. 2A, 28Vdc
Contact Resistance:	<10mΩ	<10mΩ
Insulation Resistance:	$>10^5 M\Omega$	>10 ³ MΩ
Dielectric Strength:	>1.0kVac	>2.0kVac
Operating Temp. Range:	–20°C to +70°C	-20°C to +70°C
Sealing (Front of panel only):	Protection Classification: IP68 EN60529-1:1992 + A2:2013. (Micro switch not sealed) (10m for 2 weeks)	Protection Classification: IP66 EN60529-1:1992 + A2:2013. (Micro switch not sealed)
Operations Mechanical: Electrical:	1,000,000 (min) 35,000 (min)	1,000,000 (min) 35,000 (min)
Operating Pressure:	7.5N (typ)	4.7N (typ)
Rear Nut Fixing Torque:	0.57Nm	0.57Nm
Materials Mouldings: Tags/Terminations: Switch Body & Button:	Glass Filled Nylon Brass, Tin Plated Stainless Steel	Glass Filled Nylon Brass, Tin Plated Stainless Steel
Contacts:	Brass, Silver Plated, Silver	Fine Silver
Thread size:	0.747" x 26TPI	0.747" x 26TPI
RoHS	Compliant	Compliant

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