SEALED MINIATURE PUSH BUTTON SWITCHES (M-Series)

Philmore is pleased to introduce the new fully shielded M-Series miniature push button switches. The M-Series features complete IP67 protection. IP67 (Ingress protection) is the top rating classified for the level of protection that electrical appliances provide against the intrusion of solid objects (including dust & liquids). M-series switch mounts in 0.50" mounting hole in panel up to .157" thick.

ENVIRONMENTAL:

Degree of protection:	IP67
Operating Temperature:	-40° to +85° C

ELECTRICAL & GENERAL:

Max. current / voltage rating with resistive load:	
400mA 32V AC-100mA 50V DC-125mA 125VAC	
Initial Contact Resistance:	50m max
Insulation Resistance:	1G min. at 500V DC
Dielectric Strength:	1,000 V AC rms
Electrical Life at Full Load:	500,000 cycles
Panel Thickness:	.059" Min. - .157" Max.
Total Travel:	1.5mm (.59)
Operating Force:	2N - 5N
Mechanical Life:	1,000,000 cycles
Torque:	1.5Nm max. applied to nut
Soldering:	300° C max. for 3 seconds

MATERIAL:

Case:	Thermoplastic UV94-VO
Plunger:	Polyamide 6/6
Bushing / Bezel:	Polyamide 6/6
Contacts:	Silver, Gold plated
Terminal Seals:	Epoxy

Part No.	Type	Action			Actuator
30-12630	SPST	(ON)	-	OFF	Red Button
30-12632	SPST	(ON)	-	OFF	Yellow Button
30-12634	SPST	(ON)	-	OFF	Green Button
30-12636	SPST	(ON)	-	OFF	Blue Button
30-12638	SPST	(ON)	-	OFF	Black w / Red LED
30-12640	SPST	(ON)	-	OFF	Black w / Yellow LED
30-12642	SPST	(ON)	-	OFF	Black w / Green LED
30-12644	SPST	(ON)	-	OFF	Black w / Blue LED

NOTE: ( ) = MOMENTARY

LED SPECIFICATION:

Lens Appearance	Color	Electro-optical Data (AT 20mA)				Viewing Angle 20 1/2 (deg)
		Vf (V)		Iv (mcd)		
		Typ.	Max.	Min.	Typ.	
Water Clear	Super Red	2.1	2.6	42.0	100.0	35°
	Super Green	2.0	2.6	42.0	80.0	
	Super Yellow	2.1	2.6	94.0	200.0	
	Super Blue	2.8	3.2	28.0	70.0	

IP 67
ACCORDING TO
EN 60529:1991+A1:2001
IEC 60529:2001

RoHS compliant