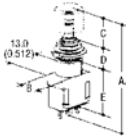


Pushbutton Switch MPA/MPE/MPG Series

Molded-in heat terminals eliminate switch mechanism contamination. Gold flash contacts and terminals inhibit oxidation and extend shelf life. Diallyl phthalate cases permit these switches to withstand wide temperature ranges. Each switch has one-piece bushing to reduce the possibility of tear-off damage when mounting. All hardware is supplied unmounted. **Contact Rating:** 6 amps at 125 VAC; 3 amps at 250 VAC; 4 amps at 28 VDC. Solid silver contacts. **Operating Force:** 2.5 to 4.4 lbs. **Plunger Travel:** 125° avg. **Insulation Resistance:** 1000 ohms. **Dielectric Strength:** 1500 V RMS at sea level. **Life Expectancy:** 50 K operations. Terminal seal included at no extra charge. Order cap separately.



Stock No.	Mfr.'s Type	Fig.	Description	Dimensions — In.						EACH		
				Lead Spacing	A	B	C	D	E	1-99	100-499	500-999
758-0144	MPA103C	1	SPST: Wire Lug Normally Open - Black Cap	—	1.122	0.354	0.236	0.236	0.500	3.44	2.76	2.32
758-0146	MPA103D	1	SPDT: Push-On/Push-Off (Tactile) - Black Cap	—	1.122	0.354	0.236	0.236	0.500	9.46	7.61	6.39
758-0148	MPA103F	1	SPDT: Momentary (Tactile) - Black Cap	—	1.122	0.354	0.236	0.236	0.500	9.25	7.43	6.25
758-0122	MPA106F*	2	SPDT: Wire Lug Momentary	0.170	1.600	0.315	0.472	0.280	0.680	9.52	7.64	6.41
758-0124	MPA206R*	2	DPDT: Wire Lug Momentary	0.170 × 0.190	1.602	0.512	0.472	0.280	0.680	11.59	9.30	7.82
758-0126	MPA206N*	2	DPDT: Wire Lug Push-On/Push-Off	0.170 × 0.190	1.602	0.512	0.472	0.280	0.680	13.64	10.95	9.18
758-0130	MPE106D*	2	SPDT: Wire Lug Push-On/Push-Off Splashproof	0.170	1.618	0.320	0.472	0.280	0.690	12.95	10.39	8.73
758-0132	MPE106F*	2	Splashproof DPDT: Wire Lug Momentary	0.170	1.618	0.320	0.472	0.280	0.690	10.91	8.76	7.36
758-0134	MPE206R*	2	Splashproof DPDT: Wire Lug Momentary	0.170	1.610	0.512	0.472	0.280	0.690	13.56	10.88	9.13
758-0138	MPG106D†	2	Mustang Pushbutton SPDT: Wire Lug Push-On/Push-Off	0.170	1.405	0.315	0.315	0.473	0.460	12.39	9.95	8.35
758-0140	MPG106F†	2	Mustang Pushbutton SPDT: Wire Lug Momentary	0.170	1.405	0.315	0.315	0.473	0.460	6.97	5.60	4.70
758-0142	MPG206R†	2	DPDT: Wire Lug Momentary 15/32" Bushing	0.170	1.405	0.512	0.315	0.473	0.460	17.89	14.36	12.06
758-0184	C220-AG	—	Black Cap with 0.39" Diameter used on MPA, MPE, MPS	—	—	—	—	—	—	.58	.47	.39
758-0186	C222-AG	—	Red Cap with 0.39" Diameter used on MPA, MPE, MPS	—	—	—	—	—	—	.60	.48	.40
758-0188	C230-AG	—	Black Cap with 0.59" Diameter used on MPA, MPE, MPS	—	—	—	—	—	—	.98	.78	.65
758-0190	C232-AG	—	Red Cap with 0.59" Diameter used on MPA, MPE, MPS	—	—	—	—	—	—	.67	.53	.45

*Caps not supplied. †Black cap supplied. Refer to full line catalog, model number C90.

MP/MSP Series Pushbutton Switch

Material Specifications: **Contacts:** MSPF/MSP3/MSPS: Silver plate. MSPM: Gold. **Case Material:** MSPF: Thermoset. MSPM: Steel. MSP3/MSPS: Thermoplastic. **Actuator Material:** MSPM: Nylon. MSPF/MSP3/MSPS: Thermoplastic. **Terminals:** Silver plate. **Typical Performance Characteristics:** **Contact Rating:** MSPF: 0.5 Amps at 125 VAC. MSPM: 1.0 VA optimum (100 mA max. 50 VDC max.). MSP3: 3 Amps at 125 VAC. MSPS: 0.5 Amps at 125 VAC. **Life Expectancy:** MSPF: 10000 cycles min. MSPM: 5000000 cycles at 0.1 VA. MSP3/MSPS: 10000 Cycles. **Operating Temperature:** MSPF: -20°C to 80°C. MSPM: -10°C to 80°C. MSP3/MSPS: -20°C to 80°C.

Stock No.	Mfr.'s Type	Fig.	Description	Dimensions — In.						EACH		
				Lead Spacing	A	B	C	D	E	1-99	100-499	500-999
758-0154	MSPM101C1*	1	SPST: Normally Open, Pin Terminals — Red Cap	0.284	1.640	0.510	0.480	0.320	0.560	22.56	18.11	15.21
758-0156	MSPM101CS1	1	SPST: Normally Open, Lug Terminals — Red Cap	0.280	1.240	0.510	0.160	0.320	0.560	24.23	19.46	16.34
758-0164	MSPS103C0	1	SPST: Normally Open — Black Plunger	0.189	1.050	0.310	0.201	0.252	0.380	1.88	1.52	1.28
758-0150	MSPF101C	2	SPST: Normally Open — Red Plunger	0.140	0.980	—	0.256	0.374	0.176	3.68	2.95	2.48
758-0152	MSPF101BC0	2	2 Circuit: Normally Open-Normally Closed — Black Plunger	0.177	0.980	—	0.256	0.374	0.176	7.40	5.95	4.99
758-0156	MSP103B	2	SPST: Normally Closed — Black Plunger	0.242	1.039	0.410	0.098	0.235	0.520	4.33	3.48	2.91
758-0160	MSP103C	2	SPST: Normally Open — Red Plunger	0.242	1.039	0.410	0.098	0.235	0.520	4.15	3.34	2.80

*Caps model number C22 supplied.

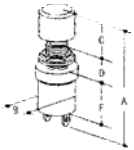


Fig. 1

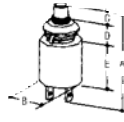


Fig. 2

Reliant '22 Series Oil Tight Industrial Controls

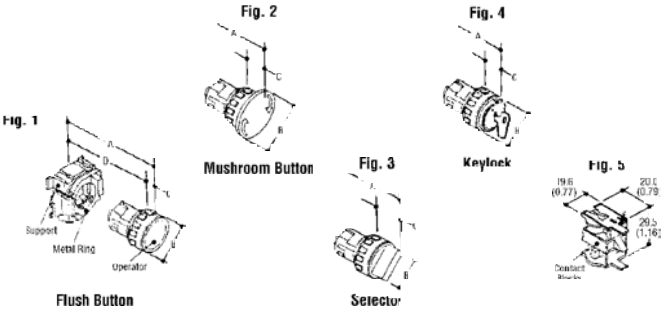


Fig. 2



Fig. 4



Fig. 3



Fig. 5

- Fits 7/8" (22 mm) Diameter Holes
- Protection Level: 1 P 65
- Buttons Are Full Size
- Meets NEMA 1, 12, 13
- Finish: Matte Black Bezel
- Simple "No-Tool" Mounting
- Fully Insulated — Thermoplastic or Heavy-Duty Metal Bushings
- Contacts: Double-Break Silver Snap-Block, 6 A @ 600 VAC
- Stackable

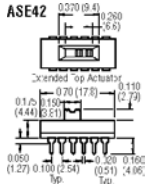
These controls utilize a snap-on contact block system with pushbuttons for a variety of switching configurations — momentary and maintained, lighted and unlighted, round and square keylocks and selectors. Suited for direct and pilot duty. Maximum contact rating of 6 A at 600 VAC. Contemporary front panel design. Order contact blocks separately.

Stock No.	Mfr.'s Type	Fig.	Description	Dimensions — In.				EACH		
				A	B	C	D	1-99	100-249	250-499
758-0500	RM0100	1	Flush Round Button — Momentary — Metal Threaded Bushing — Black Button	1.496	1.160	0.450	1.043	25.28	20.29	17.05
758-0705	RM0102	1	Flush Round Button — Momentary — Metal Threaded Bushing — Red Button	1.496	1.160	0.450	1.043	25.35	20.34	17.09
758-0501	RM0105	1	Flush Round Button — Momentary — Metal Threaded Bushing — Green Button	1.496	1.160	0.450	1.043	25.19	20.22	16.99
758-0502	RT0102	1	Flush Round Button — Momentary — Thermoplastic Threaded Bushing — Red Button	1.496	1.160	0.450	1.043	9.69	7.78	6.54
758-0504	RM0502	2	Red Mushroom Button — Momentary — Metal Bayonet	2.185	1.570	1.140	1.043	37.18	29.84	25.07
758-0506	RT0502	2	Red Mushroom Button — Momentary — Thermoplastic Threaded Bushing	2.185	1.570	1.140	1.043	20.84	16.72	14.05
758-0508	RM0532	2	Red Mushroom Button — Push-Pull — Metal Threaded Bushing	2.185	1.570	1.140	1.043	51.61	41.43	34.80
758-0514	RM0652	2	Red Mushroom Button — Push to Lock/Twist Release — Metal Threaded Bushing	2.185	1.570	1.140	1.043	22.99	18.46	15.50
758-0512	RM3040	3	Black Selector Operator — 2 Pos. 60° Throw — Metal Threaded Bushing	2.087	1.160	1.040	1.043	32.31	25.94	21.78
758-0516	RM201	4	Key Lock Operator — Maintained — 2 Pos. 60° Throw — Metal Threaded Bushing	1.929	1.160	0.886	1.043	59.53	47.78	40.14
758-0518	F40	5	Normally Closed Contact Block with Quick Connects — Red Plunger	—	—	—	—	8.45	6.79	5.70
758-0520	F50	5	Normally Open Contact Block with Quick Connects — Green Plunger	—	—	—	—	9.66	7.74	6.51
758-0522	V40	5	Normally Closed Contact Block — Screw Terminal — Red Plunger	—	—	—	—	11.23	9.03	7.58
758-0524	V50	5	Normally Open Contact Block — Screw Terminal — Green Plunger	—	—	—	—	7.19	5.77	4.85

ASE/F Series Auto-Insertable Slides

Units withstand aqueous or solvent cleaning processes. High temperature antistatic plastic withstands surface mount, vapor phase reflow or wave soldering. **Type ASE.** Extended actuator open-ended case allows washout after cleaning. **Type ASF.** DIP package with flush actuator allows auto insertion on standard IC equipment. Tape seal and closed case provide process seal. **Bevel Length:** 0.260" (6.60) except 4P3T — 0.360" (9.14). Surface mount terminals (not shown) 0.100" (2.54) on center. R-right angle.

758-2000. ASE22. DPDT. 1-99.....EACH 1.36	100-249.....EACH 1.10	250-499.....EACH .92
758-2001. ASE42. 4PDT. 1-99.....EACH 2.27	100-249.....EACH 1.83	250-499.....EACH 1.54
758-2003. ASF22. DPDT. 1-99.....EACH 2.07	100-249.....EACH 1.66	250-499.....EACH 1.40



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