



Pushbutton Switches 300, 400, 9000, MPB Series

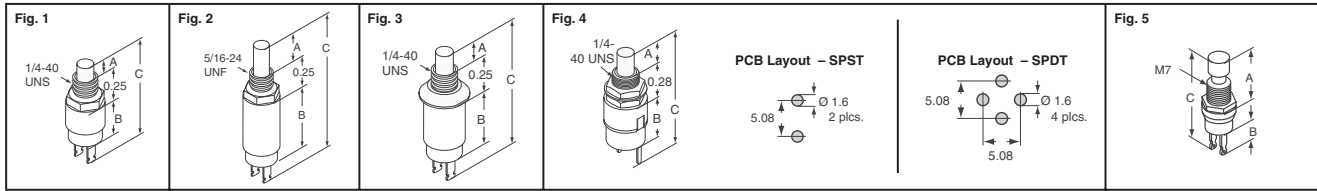


Fig	Circuit	Current Rating	Thread Size	Termination	Dimensions - Inch			Digi-Key Part No.	Price Each			APEM Part No.		
					A	B	C		1	25	100			
300 Series - Miniature														
1	SPST-NO	1A	1/4-40	PCB	0.178	0.429	1.078	679-1000-ND	4.07	3.72	3.36	301CQE		
		4VA		Solder Lug				679-1001-ND		3.95		3.61	301ZBE	
		4VA		PCB				679-1002-ND		4.05		3.70	302CBE	
		4VA		Solder Lug				679-1003-ND		3.95		3.61	302ZBE	
2	SPST-NO	1A	5/16-24	PCB	0.351	0.787	1.608	679-1004-ND	3.95	3.61	3.26	305ZBE		
		4VA		Solder Lug				679-1005-ND		5.78		5.27	306CBE	
		1A		PCB				679-1013-ND		5.78		5.27	306CQE	
		4VA		Solder Lug				679-1015-ND		6.52		5.95	306ZBE	
400 Series - Miniature														
3	On-Off	1A	1/4-40	PCB	0.208	0.469	1.303	679-1016-ND	4.92	4.48	4.05	401CQE		
		4VA		Solder Lug				679-1017-ND		4.79		4.37	401ZBE	
	SPST-NO	1A	1/4-40	PCB	0.205	0.469	1.303	679-1018-ND	5.41	4.93	4.46	401ZQE		
		4VA		Solder Lug				679-1019-ND		5.41		4.93	402ZBE	
9000 Series - Momentary														
1	SPST-NO	100mA	M4	PCB	0.137	0.240	0.691	679-1006-ND	2.29	2.10	1.90	9133CD		
								679-1007-ND		2.89		2.64	9232CD	
								679-1008-ND		2.89		2.64	9233CD	
								679-1009-ND		2.29		2.10	9233NCD	
2	SPST-NC	100mA	M4	Solder Lug	0.137	0.240	0.687	679-1010-ND	2.82	2.57	1.92	9532CD		
								679-1011-ND		2.72		2.48	9533CD	
								679-1012-ND		2.29		2.10	9533NCD	
								679-1025-ND		3.72		3.40	9432AB	
4	SPST-NC	100mA	1/4-40	PCB	0.236	0.466	1.156	679-1026-ND	3.78	3.45	3.12	9432CDB		
								679-1027-ND		4.67		4.26	9435CDB	
								679-1028-ND		2.98		2.73	9633NAB	
								679-1029-ND		3.03		2.77	9633NCDB	
5	SPST-NO	100mA	1A	Solder Lug	0.236	0.334	1.041	679-1030-ND	4.92	4.48	4.05	9635AB		
								679-1021-ND		1.58		1.45	1.31	MPB1102
								679-1022-ND		1.58		1.45	1.31	MPB1106
								679-1023-ND		1.71		1.56	1.41	MPB11402
MPB Series - Momentary														
5	SPST-NO	300mA	M7 Blk Cap	Solder Lug	0.520	0.236	1.095	679-1024-ND	1.71	1.56	1.41	MPB11406		
								679-1024-ND		1.71		1.56	1.41	
								679-1023-ND		1.71		1.56	1.41	
								679-1024-ND		1.71		1.56	1.41	
Accessories														
Pushbutton Cap, Black, .25" Diameter for 300 and 400 Series.....								679-1031-ND	.72	.66	.59	A235-2		
Pushbutton Cap, Red, .25" Diameter for 300 and 400 Series.....								679-1032-ND	.72	.66	.59	A235-6		
Pushbutton Cap, Black, 5mm Diameter for 9000 Series.....								679-1033-ND	.20	.18	.17	U902		
Pushbutton Cap, Red, 5mm Diameter for 9000 Series.....								679-1034-ND	.20	.18	.17	U906		
Pushbutton Cap, Black, 8mm Diameter for 9000 Series.....								679-1035-ND	.23	.21	.19	U1142		
Pushbutton Cap, Red, 8mm Diameter for 9000 Series.....								679-1036-ND	.23	.21	.19	U1146		



Miniature Pushbutton Switches



Grayhill's miniature pushbutton switches are PCB or panel mounted for compact, low-profile, behind-panel applications. Series 30 and 39 switches are a reliable and economical solution with a large selection of shapes and sizes to fit all designs. Operating temperature is -40°C - 85°C. Optional caps work with all Series 30 and 39 switches except 39-101. Fasten button with cyanoacrylate adhesive.

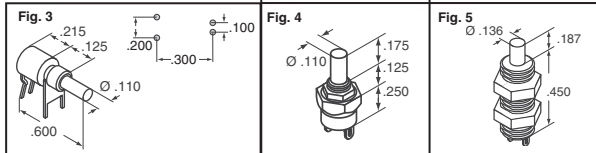


Fig	Circuit	Current Rating	Button Color	Thread Size	Dimensions - Inch			Digi-Key Part No.	Price Each			Grayhill Part No.
					A	B	C		1	100	100	
1	SPST-NO	1A	Black	15/32-32	.160	.375	.668	GH1359-ND	3.88	2.91	10-09	
	SPST-NO	250mA	Red	5/16-32	.146	.250	.476	GH1361-ND	5.28	3.96	23-1	
	SPST-NO	1A	Red	1/4-32	.150	.250	.370	GH1362-ND	1.89	1.43	30-1	
	SPST-NO	1A	Black	1/4-32	.150	.250	.370	GH1365-ND	1.89	1.43	30-3	
	SPST-NO	5A	Black	1/4-32	.150	.250	.370	GH1368-ND	1.97	1.49	30-3JUL	
	SPST-NO	150mA	Black	1/4-32	.150	.250	.370	GH1367-ND	1.36	1.02	30-601 BLK	
	SPST-NO	150mA	Red	1/4-32	.150	.250	.370	GH1368-ND	1.36	1.02	30-601 RED	
	SPST-NO	500mA	Red	8-40	.175	.125	.215	GH1344-ND	2.74	2.06	39-1	
	SPST-NC	250mA	Black	8-40	.175	.125	.390	GH1346-ND	4.23	3.18	39-2	
	SPST-NO	500mA	Black	8-40	.175	.125	.215	GH1345-ND	2.74	2.06	39-3	
2	SPST-NO	150mA	Red	8-40	.175	.125	.215	GH1350-ND	2.27	1.71	39-401 RED	
	SPST-NO	150mA	Black	8-40	.175	.125	.215	GH1349-ND	2.27	1.71	39-401 BLK	
3	SPST-NO	1A	Red	15/32-32	.160	.375	.668	GH1360-ND	3.88	2.91	4001	
	SPST-NC	1A	Black	1/4-32	---	---	---	GH1364-ND	2.13	1.60	30-2	
4	SPST-NO	150mA	Red	1/4-32	---	---	---	GH1366-ND	2.13	1.60	30-6	
	SPST-NO	150mA	Black	---	---	---	---	GH1351-ND	3.63	2.73	39-501 RED	
5	SPST-NO	500mA	Black	8-40	---	---	---	GH1363-ND	3.63	2.73	39-501 BLK	
	SPST-NO	500mA	Black	8-40	---	---	---	GH1347-ND	5.13	3.85	39-351 RED	
5	SPST-NO	500mA	Nat. Nylon	5/16-32	---	---	---	GH1348-ND	5.13	3.85	39-351 BLK	
	SPST-NO	500mA	Nat. Nylon	5/16-32	---	---	---	GH1369-ND	5.96	4.47	39-101	
Pushbutton Cap, Red, .25" Diameter for Series 30 and 39.....								GH1355-ND	.26	.20	30B1012-5	
Pushbutton Cap, Black, .25" Diameter for Series 30 and 39.....								GH1357-ND	.26	.20	30B1012-9	
Pushbutton Cap, White, .25" Diameter for Series 30 and 39.....								GH1356-ND	.28	.22	30B1012-8	

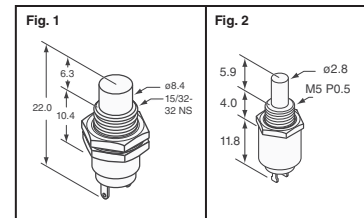


Pushbutton Switches



SB Series: • Contact Resistance: 10 milliohms maximum • Insulation Resistance: 200 megohms minimum @ 500V DC • Dielectric Strength: 1,000V AC minimum • Electrical Life: 10,000 operations minimum • Operating Force: 4.90N • Operating Temperature Range: -10°C - 70°C **FB Series:** • Contact Resistance: 30 milliohms maximum • Insulation Resistance: 100 megohms minimum @ 500V DC • Dielectric Strength: 1,000V AC minimum • Electrical Life: 50,000 operations minimum • Nominal Operating Force: 2.16N • Operating Temperature Range: -10°C - 70°C

Fig	Circuit	Switching Function	Plunger Color	Termination	Bushing	Current Rating @ (125VAC)	Digi-Key Part No.	Pricing			NKK Part No.
								1	25	100	
SB Series Momentary Pushbuttons											
1	SPST	Off-Mom	Black	Solder Lug	15/32 - 32	3A	360-2300-ND	3.50	54.63	199.80	SB4011NOH-RO
							360-2301-ND	3.50	54.63	199.80	SB4011NOHC-RO
							360-2302-ND	3.50	54.63	199.80	SB4011NCH-RO
							360-2303-ND	3.50	54.63	199.80	SB4011NCHC-RO
FB Series Momentary Pushbuttons											
2	SPST	Off-Mom	---	Solder Lug	M5 P0.5	500mA	360-2307-ND	3.07	47.70	172.77	FB15ANEP2
SB Accessories											
Switch Cap, .394 Black.....								.60	7.51	25.48	AT422A
Switch Cap, .394 White.....								.60	7.51	25.48	AT422B
Switch Cap, .394 Red.....								.60	7.51	25.48	AT422C



Note: FB Series PB's use MB2400 Series Caps; AT475 Series or AT496 Series Caps

Free shipping on orders over £50! All prices are in British pound sterling and include duties.

uk.digikey.com — FREEPHONE: 0-800-587-0991 • 0-800-904-7786 — FREEFAX: 0-800-587-0992 • 0-800-904-7783

(UK091) 2031