



## Pushbutton Switches 300, 400, 9000, MPB Series

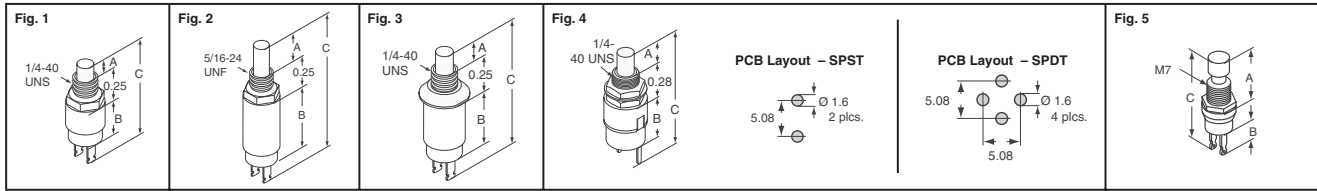


Fig	Circuit	Current Rating	Thread Size	Termination	Dimensions – Inch			Digi-Key Part No.	Price Each			APEM Part No.
					A	B	C		1	25	100	
<b>300 Series - Miniature</b>												
1	SPST-NO	1A	1/4-40	PCB	0.178	0.429	1.078	679-1000-ND	5.61	5.12	4.62	301CQE
		4VA		Solder Lug				679-1001-ND	5.44	4.96	4.48	301ZBE
		4VA		PCB				679-1002-ND	5.58	5.09	4.60	302CBE
		4VA		Solder Lug				679-1003-ND	5.44	4.96	4.48	302ZBE
2	SPST-NO	1A	5/16-24	PCB	0.351	0.787	1.608	679-1004-ND	5.44	4.96	4.48	305ZBE
		4VA		Solder Lug				679-1005-ND	5.44	4.96	4.48	305ZOE
		1A		PCB				679-1013-ND	7.96	7.26	6.56	306CBE
		4VA		Solder Lug				679-1014-ND	7.96	7.26	6.56	306CQE
3	On-Off	1A	1/4-40	PCB	0.208	0.469	1.303	679-1016-ND	6.77	6.17	5.58	401CQE
		4VA		Solder Lug				679-1017-ND	6.60	6.02	5.44	401ZBE
	SPST-NO	1A	1/4-40	PCB	0.205	0.469	1.303	679-1018-ND	7.45	6.79	6.14	401ZOE
		4VA		Solder Lug				679-1019-ND	7.45	6.79	6.14	402ZBE
4	SPST-NO	1A	1/4-40	PCB	0.236	0.466	1.156	679-1020-ND	7.45	6.79	6.14	402ZOE
		4VA		Solder Lug				679-1021-ND	7.45	6.79	6.14	402ZOE
<b>9000 Series - Momentary</b>												
1	SPST-NO	100mA	M4	PCB	0.137	0.240	0.691	679-1006-ND	3.16	2.89	2.61	9133CD
								679-1007-ND	3.98	3.63	3.28	9232CD
								679-1008-ND	3.98	3.63	3.28	9233CD
								679-1009-ND	3.16	2.89	2.61	9233NCD
4	SPST-NO	100mA	1/4-40	Solder Lug	0.236	0.334	1.041	679-1010-ND	3.88	3.54	3.20	9532CD
								679-1011-ND	3.74	3.41	3.08	9533CD
								679-1012-ND	3.16	2.89	2.61	9533NCD
								679-1025-ND	5.13	4.69	4.23	9432AB
5	SPST-NO	300mA	M7 Blk Cap	Solder Lug	0.520	0.236	1.095	679-1026-ND	5.20	4.75	4.29	9432CDB
								679-1027-ND	6.43	5.86	5.30	9435CDB
								679-1028-ND	4.11	3.76	3.39	9633NAB
								679-1029-ND	4.18	3.82	3.45	9633NCDB
<b>MPB Series - Momentary</b>												
5	SPST-NO	300mA	M7 Blk Cap	Solder Lug	0.472	0.236	1.189	679-1030-ND	6.77	6.17	5.58	9635AB
								679-1021-ND	2.18	1.99	1.80	MPB11102
								679-1022-ND	2.18	1.99	1.80	MPB11106
<b>Accessories</b>												
Pushbutton Cap, Black, .25" Diameter for 300 and 400 Series.....								679-1031-ND	.99	.90	.82	A235-2
Pushbutton Cap, Red, .25" Diameter for 300 and 400 Series.....								679-1032-ND	.99	.90	.82	A235-6
Pushbutton Cap, Black, 5mm Diameter for 9000 Series.....								679-1033-ND	.27	.25	.23	U902
Pushbutton Cap, Red, 5mm Diameter for 9000 Series.....								679-1034-ND	.27	.25	.23	U906
Pushbutton Cap, Black, 8mm Diameter for 9000 Series.....								679-1035-ND	.31	.28	.26	U1142
Pushbutton Cap, Red, 8mm Diameter for 9000 Series.....								679-1036-ND	.31	.28	.26	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.

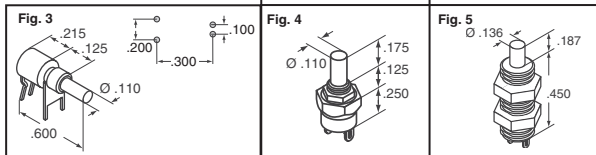


Fig	Circuit	Current Rating	Button Color	Thread Size	Dimensions – Inch			Digi-Key Part No.	Price Each			Grayhill Part No.
					A	B	C		1	100		
1	SPST-NO	1A	Black	15/32-32	.160	.375	.668	GH1359-ND	5.34	4.01	10-09	
	SPST-NO	250mA	Red	5/16-32	.146	.250	.476	GH1361-ND	7.27	5.46	23-1	
	SPST-NO	1A	Red	1/4-32	.150	.250	.370	GH1362-ND	2.61	1.96	30-1	
	SPST-NO	1A	Black	1/4-32	.150	.250	.370	GH1365-ND	2.61	1.96	30-3	
	SPST-NO	5A	Black	1/4-32	.150	.250	.370	GH1368-ND	2.72	2.05	30-3JUL	
	SPST-NO	150mA	Black	1/4-32	.150	.250	.370	GH1367-ND	1.87	1.40	30-601 BLK	
	SPST-NO	150mA	Red	1/4-32	.150	.250	.370	GH1368-ND	1.87	1.40	30-601 RED	
	SPST-NO	500mA	Red	8-40	.175	.125	.215	GH1344-ND	3.77	2.83	39-1	
	SPST-NC	250mA	Black	8-40	.175	.125	.390	GH1346-ND	5.83	4.38	39-2	
	SPST-NO	500mA	Black	8-40	.175	.125	.215	GH1345-ND	3.78	2.84	39-3	
	SPST-NO	150mA	Red	8-40	.175	.125	.215	GH1350-ND	3.13	2.35	39-401 RED	
	SPST-NO	150mA	Black	8-40	.175	.125	.215	GH1349-ND	3.13	2.35	39-401 BLK	
	SPST-NO	1A	Red	15/32-32	.160	.375	.668	GH1360-ND	5.34	4.01	4001	
	2	SPST-NC	1A	Black	1/4-32	—	—	—	GH1364-ND	2.93	2.20	30-2
		SPST-NC	1A	Red	1/4-32	—	—	—	GH1366-ND	2.93	2.20	30-6
3	SPST-NO	150mA	Red	—	—	—	—	GH1351-ND	5.00	3.75	39-501 RED	
	SPST-NO	150mA	Black	—	—	—	—	GH1352-ND	5.00	3.75	39-501 BLK	
4	SPST-NO	500mA	Red	8-40	—	—	—	GH1347-ND	7.06	5.30	39-351 RED	
	SPST-NO	500mA	Black	8-40	—	—	—	GH1348-ND	7.06	5.30	39-351 BLK	
5	SPST-NO	500mA	Nat. Nylon	5/16-32	—	—	—	GH1369-ND	8.21	6.16	39-101	
Pushbutton Cap, Red, .25" Diameter for Series 30 and 39.....								GH1355-ND	.36	.27	30B1012-5	
Pushbutton Cap, Black, .25" Diameter for Series 30 and 39.....								GH1357-ND	.36	.27	30B1012-9	
Pushbutton Cap, White, .25" Diameter for Series 30 and 39.....								GH1356-ND	.39	.30	30B1012-8	

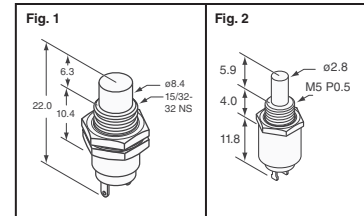
## NKK NEW! Pushbutton Switches



**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	
<b>SB Series Momentary Pushbuttons</b>											
1	SPST	Off-Mom	Black	Solder Lug	15/32 - 32	3A	360-2300-ND	5.33	88.66	317.75	SB4011NOH-RO
			Red				360-2301-ND	5.33	88.66	317.75	SB4011NOHC-RO
			Black				360-2302-ND	5.33	88.66	317.75	SB4011NCH-RO
			Red				360-2303-ND	5.33	88.66	317.75	SB4011NCHC-RO
<b>FB Series Momentary Pushbuttons</b>											
2	SPST	Off-Mom	—	Solder Lug	M5 P0.5	500mA	360-2307-ND	4.83	75.47	276.00	FB15ANEP2
<b>SB Accessories</b>											
Switch Cap, .394 Black.....								.90	11.25	38.00	AT422A
Switch Cap, .394 White.....								.90	11.25	38.00	AT422B
Switch Cap, .394 Red.....								.90	11.25	38.00	AT422C



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

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