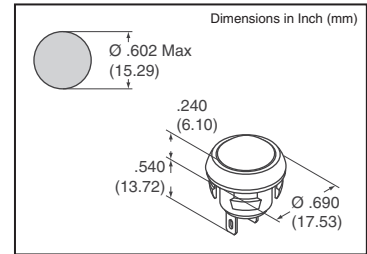




## Pushbutton Switches 30 Series

**FEATURES:** • Convenient Snap-in Panel Mounting • SPST N.O. (Momentary Contact) • Gold Plated Contacts • Sealed • IP67  
**MATERIAL:** • Terminal: Brass, gold-plated over nickel • Shorting Bar: Brass, gold plated over nickel • Internal Seal: Silicon Rubber • O-ring Seal: Silicon  
**RATINGS:** • Cycles: 500,000 Actuations • Operating Temperature: -40°C ~ 80°C • Voltage Breakdown: 1000 VAC between mutually insulated parts  
**Contact Resistance:** 25mΩ maximum on new switch • Insulation: 1,000MΩ minimum



Button Color	Digi-Key Part No.	Price Each			Grayhill Part No.
		1	100	500	
Black	GH7268-ND	3.33	2.51	2.14	30-100
Red	GH7269-ND	3.33	2.51	2.14	30-101
Green	GH7270-ND	3.33	2.51	2.14	30-102
Yellow	GH7271-ND	3.33	2.51	2.14	30-103
Orange	GH7272-ND	3.33	2.51	2.14	30-104



## Pushbutton Switches 700 Series



**Specifications:**  
 • Ratings: 1A @ 250VAC, 3A @ 120VAC • Gold Contacts: 0.4VA maximum @ 20VAC • Electrical Life: 50,000 cycles typical • Insulation Resistance: 1,000MΩ minimum  
**Materials:** • Case: Diallyl phthalate (DAP) • Plunger: Glass-filled nylon or glass-filled polyester • Bushing: Nickel plated brass • Housing: Stainless steel • Contacts: Silver or gold plated copper alloy • Mounting Hardware

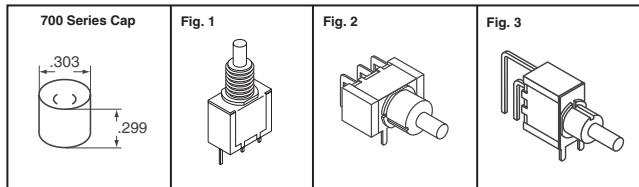


Fig.	Circuit Type	Terminal	Bushing	Contact Rating	Digi-Key Part No.	Price Each			E-Switch Part No.
						1	10	100	
1	DPDT	PCB	1/4-4ONS	3A	EG2590-ND	5.26	4.70	4.05	700DP7B10M2QEH
	DPDT	PCB	1/4-4ONS	.4VA	EG2591-ND†	5.56	4.97	4.28	700DP7B10M2REH
	SPDT	Solder Lug	1/4-4ONS	3A	EG2592-ND	3.91	3.49	3.01	700SP7B10M1QEH
	SPDT	Solder Lug	1/4-4ONS	.4VA	EG2593-ND†	4.14	3.70	3.19	700SP7B10M1REH
	SPDT	PCB	1/4-4ONS	3A	EG2594-ND	3.91	3.49	3.01	700SP7B10M2QEH
2	SPDT	PCB	Unthd	3A	EG2596-ND	4.05	3.62	3.12	700SP7B20M6QE
	3	SPDT	PCB	Unthd	3A	EG2597-ND	4.05	3.62	3.12

700 Series Caps									
Pushbutton Cap, .303" Round, Black for 700 Series	EG2598-ND	.18	.17	.15	700C1BLK				
Pushbutton Cap, .303" Round, Green for 700 Series	EG2599-ND	.18	.17	.15	700C1GRN				
Pushbutton Cap, .303" Round, Gray for 700 Series	EG2600-ND	.18	.17	.15	700C1GRY				
Pushbutton Cap, .303" Round, Red for 700 Series	EG2601-ND	.18	.17	.15	700C1RED				
Pushbutton Cap, .303" Round, White for 700 Series	EG2602-ND	.18	.17	.15	700C1WHT				

† Gold plated copper alloy contacts

## Pushbutton Switches 800, 800A and 800B Series



**Specifications (800 and 800A series only):**  
 • Ratings: 1A @ 250VAC, 3A @ 20VAC • Gold Contacts: 0.4VA maximum @ 20VAC • Electrical Life: 50,000 cycles typical  
 • Insulation Resistance: 1,000MΩ minimum  
**Materials:** • Case: Diallyl phthalate (DAP) • Plunger: Glass-filled nylon or glass-filled polyester • Bushing: Nickel plated brass • Housing: Stainless steel • Contacts: Silver or gold plated copper alloy • Mounting Hardware

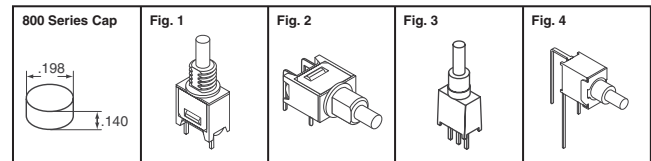
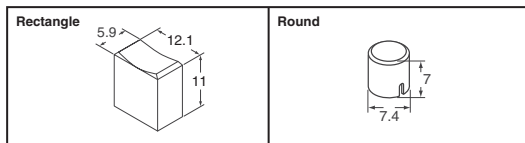


Fig.	Circuit Type	Terminal	Bushing	Contact Rating	Digi-Key Part No.	Price Each			E-Switch Part No.	
						1	10	100		
<b>Unsealed Pushbutton Switches</b>										
1	SPST	PC Mount	10-48 Thd.	3A	EG2613-ND	2.37	2.11	1.82	800SP9B5M2QEH	
	SPST	PC Mount	.173" Unthd.	.4VA	EG2614-ND	2.48	2.22	1.91	800SP9B6M2RE	
	SPST	PC Mount	.225" Unthd.	3A	EG2617-ND	3.38	3.03	2.61	800SP9B8M2QE	
2	SPST	Rt. Angle PCB	.173" Unthd.	.4VA	EG2615-ND	2.71	2.42	2.09	800SP9B6M6RE	
	SPST	Rt. Angle PCB	.187" Unthd.	.4VA	EG2616-ND	3.48	3.11	2.68	800SP9B7M6RE	
	SPDT	Rt. Angle PCB	.173" Unthd.	.4VA	EG2611-ND	3.63	3.24	2.80	800SP8B6M6RE	
	SPDT	Rt. Angle PCB	.187" Unthd.	.4VA	EG2612-ND	4.40	3.93	3.39	800SP8B7M6RE	
<b>Sealed Pushbutton Switches</b>										
3	SPST	PC Mount	.180" Unthd.	1A	EG2605-ND	2.89	2.58	2.23	800AWS9M2QE	
	SPST	PC Mount	.180" Unthd.	.4VA	EG2606-ND	3.03	2.71	2.34	800AWS9M2RE	
	SPDT	PC Mount	.180" Unthd.	1A	EG2603-ND	3.68	3.29	2.83	800AWS9M2QE	
	SPDT	PC Mount	.180" Unthd.	.4VA	EG2604-ND	3.83	3.42	2.95	800AWS9M2RE	
2	SPST	Rt. Angle PCB	.180" Unthd.	.4VA	EG2608-ND	3.24	2.89	2.49	800AWS9M6RE	
	SPST	Rt. Angle PCB	.180" Unthd.	1A	EG2607-ND	3.09	2.76	2.38	800AWS9M6QE	
4	SPST	Vert. Rt. Angle	.180" Unthd.	1A	EG4363-ND	3.09	2.76	2.38	800AWS9M7QE	
	SPST	Vert. Rt. Angle	.180" Unthd.	.4VA	EG2609-ND	3.24	2.89	2.49	800AWS9M7RE	
<b>800B Series Pushbutton Switches</b>										
2	SPST	SMT	—	.4VA	EG2610CT-ND	5.15	4.13	3.72	800BWS9SM6RE	
					EG2610TR-ND	1203.16/500			800BWS9SM6RE	
<b>Switch Accessories</b>										
Switch Cap, Round, Black for .100" Plunger						EG2618-ND	.19	.17	.15	800C1BLK
Switch Cap, Round, White for .100" Plunger						EG2621-ND	.19	.17	.15	800C1WHT
Switch Cap, Round, Red for .100" Plunger						EG2620-ND	.19	.17	.15	800C1RED
Switch Cap, Round, Green for .100" Plunger						EG2619-ND	.19	.17	.15	800C1GRN

## Switch Caps for PVA Series



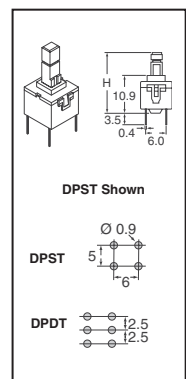
Description	Digi-Key Part No.	Pricing		C&K Part No.	
Switch Caps for PVA Pushbutton Switches					
Rectangle, Black	401-1152-ND	.24	4.84	15.31	PE BK
Rectangle, Grey	401-1153-ND	.24	4.84	15.31	PE GY
Rectangle, Red	401-1154-ND	.24	4.84	15.31	PE RD
Rectangle, White	401-1155-ND	.24	4.84	15.31	PE WH
Round, Black	401-1148-ND	.21	4.27	13.52	PV BK
Round, Grey	401-1149-ND	.21	4.27	13.52	PV GY
Round, Red	401-1150-ND	.21	4.27	13.52	PV RD
Round, White	401-1151-ND	.21	4.27	13.52	PV WH

## PVA Pushbutton Switches



• Switching: Voltage Maximum: 50VDC, Current Maximum: 100mADC • Operating Life: 10<sup>5</sup> operations  
 • Contact Resistance: 150mΩ • Operating Temperature: -40°C ~ 85°C (without button)

Circuit	Description	Dim H (mm)	Digi-Key Part No.	Price Each			C&K Part No.
				1	25	100	
DPST-NO	Alternate Action, 120gF	17.5	401-1132-ND	1.13	.91	.72	PVA1 EE H1
	Alternate Action, 120gF	23	401-1134-ND	1.26	1.01	.80	PVA1 EE H2
	Alternate Action, 120gF	20.5	401-1136-ND	1.26	1.01	.80	PVA1 EE H3
	Alternate Action, 120gF	15	401-1138-ND	1.23	.99	.78	PVA1 EE H4
	Mom. Action, 120gF	17.5	401-1133-ND	1.06	.86	.68	PVA1 OA H1
DPDT-NO	Mom. Action, 120gF	23	401-1135-ND	1.19	.96	.76	PVA1 OA H2
	Mom. Action, 120gF	20.5	401-1137-ND	1.19	.96	.76	PVA1 OA H3
	Mom. Action, 120gF	15	401-1139-ND	1.16	.94	.74	PVA1 OA H4
	Alternate Action, 170gF	17.5	401-1140-ND	1.19	.96	.76	PVA2 EE H1
	Alternate Action, 170gF	23	401-1142-ND	1.32	1.06	.84	PVA2 EE H2
	Alternate Action, 170gF	20.5	401-1144-ND	1.32	1.06	.84	PVA2 EE H3
	Alternate Action, 170gF	15	401-1146-ND	1.29	1.04	.82	PVA2 EE H4
	Mom. Action, 170gF	17.5	401-1141-ND	1.13	.91	.72	PVA2 OA H1
	Mom. Action, 170gF	23	401-1143-ND	1.26	1.01	.80	PVA2 OA H2
	Mom. Action, 170gF	15	401-1147-ND	1.23	.99	.78	PVA2 OA H4



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