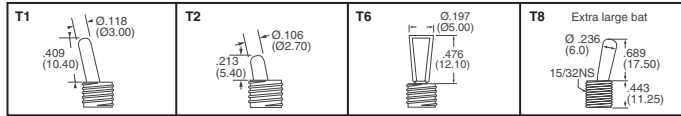
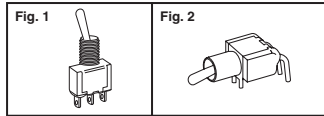


Toggle Switches

Actuator Options

Contact Material Options

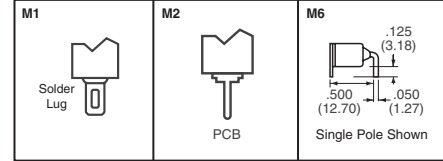


Q: Moveable contact and terminals: copper alloy, silver plate; Rating: 5A @ 125VAC or 28VDC, 2A @ 250VAC
R: Moveable contact and terminals: copper alloy with gold plate over nickel plate; Rating: 0.4VA maximum @ 20V maximum (AC/DC)

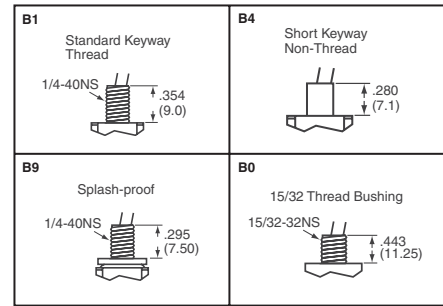
Fig.	Circuit	Switching Function	Actuator	Bushing	Termination	Contact Material	Digi-Key Part No.	Price Each	1	10	25	Carling Technologies Part No.
Series 2M1 - Miniature												
1	SPDT	On-On	T1	B1	M1	Q	432-1143-ND	3.38	2.60	1.82	2M1-SP1-T1-B1-M1QE	
	SPDT	On-Off-On	T1	B1	M1	Q	432-1144-ND	4.26	3.28	2.30	2M1-SP3-T1-B1-M1QE	
	SPDT	Mom-Off-Mom	T1	B1	M1	Q	432-1145-ND	4.52	3.48	2.44	2M1-SP4-T1-B1-M1QE	
	SPDT	On-Off-Mom	T1	B1	M1	Q	432-1146-ND	4.52	3.48	2.44	2M1-SP5-T1-B1-M1QE	
	SPDT	On-Mom	T1	B1	M1	Q	432-1147-ND	4.03	3.10	2.17	2M1-SP2-T1-B1-M1QE	
	DPDT	On-On	T1	B1	M1	Q	432-1148-ND	4.58	3.53	2.47	2M1-DP1-T1-B1-M1QE	
	DPDT	On-Off-On	T1	B1	M1	Q	432-1149-ND	5.27	4.05	2.84	2M1-DP3-T1-B1-M1QE	
	DPDT	On-Mom	T1	B1	M1	Q	432-1150-ND	5.27	4.05	2.84	2M1-DP2-T1-B1-M1QE	
	3PDT	On-On	T1	B1	M1	Q	432-1151-ND	9.78	7.53	5.27	2M1-3P1-T1-B1-M1QE	
	4PDT	On-On	T1	B1	M1	Q	432-1152-ND	10.95	8.43	5.90	2M1-4P1-T1-B1-M1QE	
	SPDT	On-On	T6	B1	M1	Q	432-1153-ND	3.58	2.75	1.93	2M1-SP1-T6-B1-M1QE	
	SPDT	On-Off-On	T6	B1	M1	Q	432-1154-ND	4.49	3.45	2.42	2M1-SP3-T6-B1-M1QE	
	SPDT	On-Mom	T6	B1	M1	Q	432-1155-ND	4.26	3.28	2.30	2M1-SP2-T6-B1-M1QE	
	DPDT	On-On	T6	B1	M1	Q	432-1156-ND	4.84	3.73	2.61	2M1-DP1-T6-B1-M1QE	
	SPDT	On-On	T8	B0	M1	Q	432-1157-ND	4.78	3.68	2.58	2M1-SP1-T8-B0-M1QE	
	SPDT	On-Off-On	T8	B0	M1	Q	432-1158-ND	5.59	4.30	3.01	2M1-SP3-T8-B0-M1QE	
	SPDT	On-Mom	T8	B0	M1	Q	432-1159-ND	5.36	4.13	2.89	2M1-SP2-T8-B0-M1QE	
	DPDT	On-On	T8	B0	M1	Q	432-1160-ND	5.95	4.58	3.21	2M1-DP1-T8-B0-M1QE	
	SPDT	On-On	T1	B9	M1	Q	432-1161-ND	3.58	2.75	1.93	2M1-SP1-T1-B9-M1QE	
	SPDT	On-Off-On	T1	B9	M1	Q	432-1162-ND	4.45	3.43	2.40	2M1-SP3-T1-B9-M1QE	
DPDT	On-On	T1	B9	M1	Q	432-1163-ND	4.84	3.73	2.61	2M1-DP1-T1-B9-M1QE		
DPDT	On-On	T1	B1	M2	Q	432-1168-ND	3.38	2.60	1.82	2M1-SP1-T1-B1-M2QE		
SPDT	On-Off-On	T1	B1	M2	Q	432-1169-ND	4.26	3.28	2.30	2M1-SP3-T1-B1-M2QE		
SPDT	On-Mom	T1	B1	M2	Q	432-1170-ND	4.03	3.10	2.17	2M1-SP2-T1-B1-M2QE		
DPDT	On-On	T1	B1	M2	Q	432-1171-ND	4.58	3.53	2.47	2M1-DP1-T1-B1-M2QE		
DPDT	On-Off-On	T1	B1	M2	Q	432-1172-ND	5.27	4.05	2.84	2M1-DP3-T1-B1-M2QE		
DPDT	On-Mom	T1	B1	M2	Q	432-1173-ND	5.27	4.05	2.84	2M1-DP2-T1-B1-M2QE		
2	SPDT	On-On	T2	B4	M6	R	432-1164-ND	3.77	2.90	2.03	2M1-SP1-T2-B4-M6RE	
	SPDT	On-Off-On	T2	B4	M6	R	432-1165-ND	4.62	3.55	2.49	2M1-SP3-T2-B4-M6RE	
	SPDT	On-Mom	T2	B4	M6	R	432-1166-ND	4.42	3.40	2.38	2M1-SP2-T2-B4-M6RE	
	DPDT	On-On	T2	B4	M6	R	432-1167-ND	5.17	3.98	2.79	2M1-DP1-T2-B4-M6RE	

RoHS Compliant

Termination Options



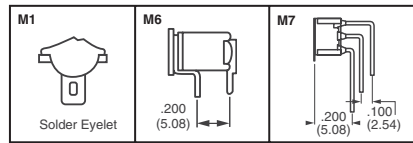
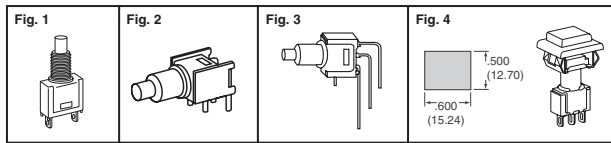
Bushing Options



Pushbutton Switches

Termination Options

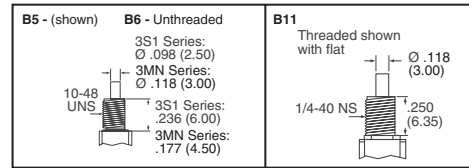
Contact Material Options



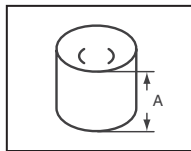
Q: Moveable contact & terminals: copper alloy, silver plate; Rating: 1A @ 125VAC or 28VDC
R: Moveable contact & terminals: copper alloy with gold plate over nickel plate; Rating 0.4VA maximum @ 20V maximum (AC/DC)
G: Moveable contact & terminals: copper alloy, silver plate; Rating: 1A @ 120VAC or 28VDC

Fig.	Circuit	Switching Function	Bushing	Termination	Contact Material	Digi-Key Part No.	Price Each	1	10	25	Carling Technologies Part No.
Series 3S1 - Sub-Miniature Pushbutton Switch											
1	SPDT	Mom(N/C)	B5	M1	Q	432-1175-ND	9.59	7.38	5.17	3S1-SP8-B5-M1QE	
2	SPDT	Mom(N/C)	B6	M6	R	432-1179-ND	9.59	7.38	5.17	3S1-SP8-B6-M6RE	
Series 3MN - Snap-Acting Miniature Pushbutton Switch											
1	DPDT	Mom(N/C)	B11	M1	G	432-1184-ND	15.73	12.10	8.47	3MN-DP7-P1-B11-M1GE	
					R	432-1185-ND	15.73	12.10	8.47	3MN-DP7-P1-B11-M1RE	
2	SPDT	Mom(N/C)	B6	M6	G	432-1192-ND	11.15	8.58	6.01	3MN-SP7-P1-B6-M6GE	
					R	432-1193-ND	11.15	8.58	6.01	3MN-SP7-P1-B6-M6RE	
3	SPDT	Mom(N/C)	B6	M7	G	432-1194-ND	11.15	8.58	6.01	3MN-SP7-P1-B6-M7GE	
					R	432-1195-ND	11.15	8.58	6.01	3MN-SP7-P1-B6-M7RE	
4	DPDT	Mom(N/C)	—	M1	G	432-1188-ND	16.54	12.73	8.91	3MN-DP7-AP2/22-M1GE	
					R	432-1189-ND	16.54	12.73	8.91	3MN-DP7-AP2/22-M1RE	

Bushing Options



Pushbutton Switch Accessories



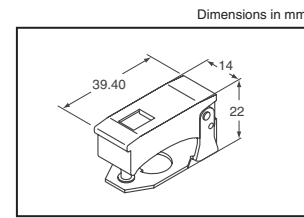
Cap Color	Cap Diameter Inch (mm)	Cap Height - Dim. A Inch (mm)	Plunger Diameter Inch (mm)	Digi-Key Part No.	1	25	100	Carling Technologies Part No.
Series 3S1 - Pushbutton Caps								
Red	.197 (5.0)	.158 (4.0)		.098 (2.5)	432-1220-ND	.42	5.69	15.60
White	.291 (7.4)	.138 (3.5)		.098 (2.5)	432-1221-ND	.42	5.69	15.60
Series 3MN - Pushbutton Caps								
White	.382 (9.7)	.193 (4.9)	.118 (3.0)	432-1227-ND	.42	5.69	15.60	3MN-C21
Black				432-1228-ND	.42	5.69	15.60	3MN-C22
Red				432-1229-ND	.42	5.69	15.60	3MN-C23

APEM Security Guards

Security caps prevent any inadvertent lever operation. When the cap is raised, the lever can be operated freely. When the cap is fully depressed, the lever is reset/locked in a stable position. They are designed for use on switches with ø11.9mm (.468") or ø12mm (.472") threaded bushing and lever length 17.5mm (.688") outside bushing.

Materials:
 • Support plate: matte black steel • Cap: thermoset material

Description	Digi-Key Part No.	1	25	100	APEM Part No.
Gray, Lockdown.....	679-1299-ND	50.59	46.13	41.67	22
Black, Lockdown.....	679-1300-ND	50.59	46.13	41.67	25
Red, Lockdown.....	679-1301-ND	50.59	46.13	41.67	26
Gray, Lockup.....	679-1302-ND	50.59	46.13	41.67	42
Black, Lockup.....	679-1303-ND	50.59	46.13	41.67	45
Red, Lockup.....	679-1304-ND	50.59	46.13	41.67	46



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