

RoHS Compliant

Specifications

Electrical Ratings	See Contact Options
Electrical Life	100,000 cycles typical
Contact Resistance	<50mΩ initial @ 2-4VDC, 100mA
Dielectric Strength	2000Vrms min
Insulation Resistance	>100MΩ min

Operating Force	2 Pole: 350 ± 100gF
	4 Pole: 450 ± 100gF
	6 Pole: 550 ± 100gF
	8~10 Pole: 650 ± 150gF
Operating Temperature	-20°C to 70°C
Storage Temperature	-40°C to 85°C

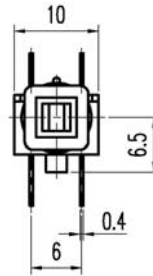
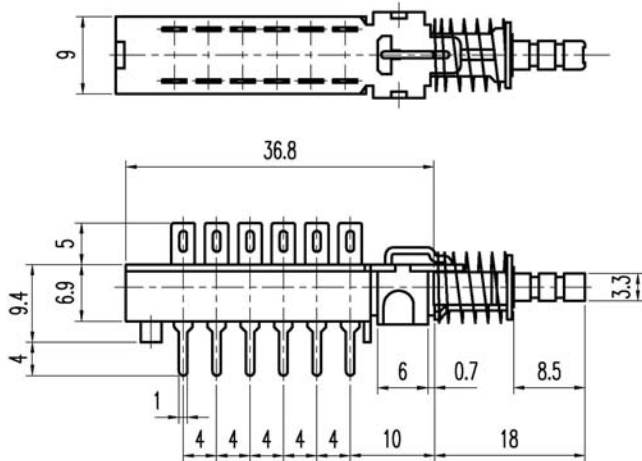
Materials

Actuator	POM
Housing	PC
Terminal Base	Phenolic
Contacts	Phosphor Bronze, Silver or Gold-Nickel Plated
Terminals	Brass, Silver or Gold-Nickel Plated
Chassis	Steel
Spring	Steel
Latching Pin	Steel

Ordering Information

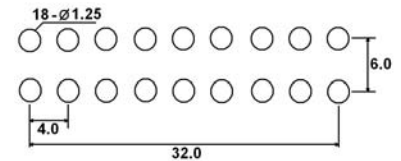
1. Series	DL	4	N	F	B	Q	C13_
DL							
2. Number of Poles 2 = DPDT 4 = 4PDT 6 = 6PDT 8 = 8PDT 10 = 10PDT **Stacking switch part numbers are: DL2LAQ/4LAQ DL2LAQ/6LAQ							
3. Actuation Force Options None = Standard Force							
4. Switch Function N = Non-latching L = Latching							
5. Terminal Options A, F, E, C, G							
6. Mounting Options Blank = No Chassis (standard) B = Mounting Chassis, single stage, 3.2mm dia mounting holes C = Mounting Chassis, single stage, M3x0.5 threaded mounting holes **Multi-Stage switch assembly part numbers assigned at factory							
7. Contact Material Q = Silver R = Gold							
6. Caps Blank = No Cap C11 C12 C13	C14 C15 C16 C18	C19 C20 C22 C26	C27 C28	Cap Colors **See Cap Options for color availability			

Dimensions

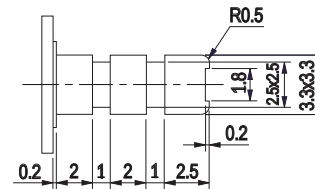
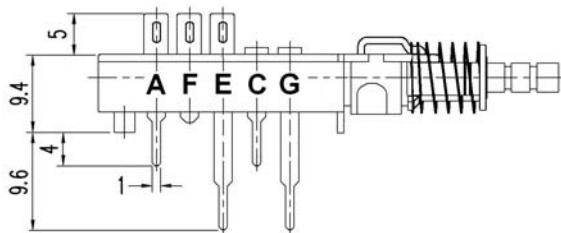


PC Layout

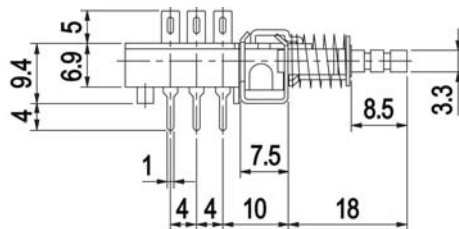
Number of Poles	"L" mm	"P" mm	"A" mm
2	24.8	6	8
4	36.8	12	16
6	48.8	18	24
8	60.8	24	32
10	72.8	30	40



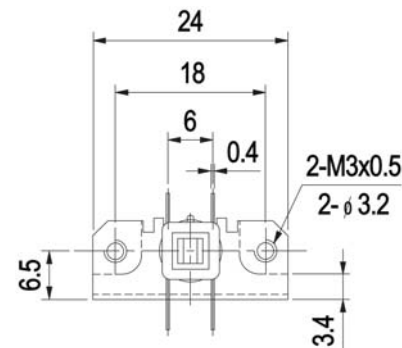
Terminal Options and Actuator Detail



Mounting Options

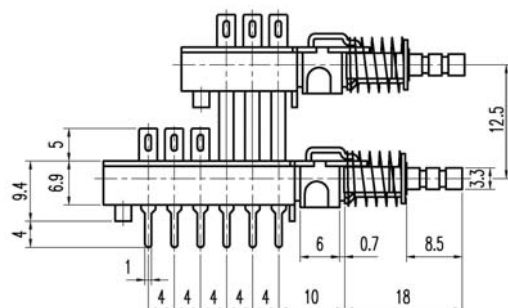


B = 3.2mm mounting holes

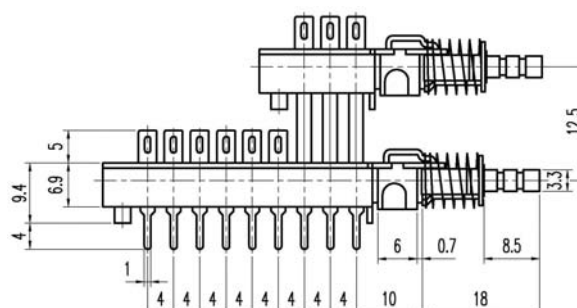


C = M3x0.5 mounting holes

Stacking Switches



DL2LAQ/4LAQ

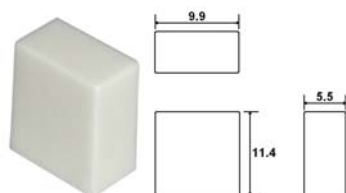


DL2LAQ/6LAQ

Contact Options

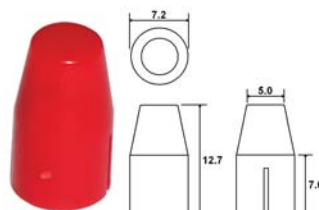
Designator	Contact Material	Terminal Material	Electrical Ratings
Q	Silver Plating	Silver Plating	500mA @ 120VAC, 1A @ 28VDC
R	Gold over Nickel Plating	Gold over Nickel Plating	0.4VA max @ 20VAC or VDC max

Cap Options



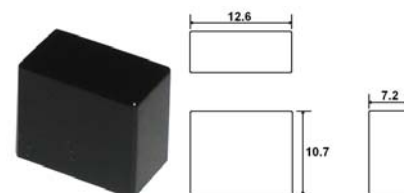
C11

1 = White, 2 = Black, 3 = Red, 9 = Light Gray
Contact Factory for other available colors



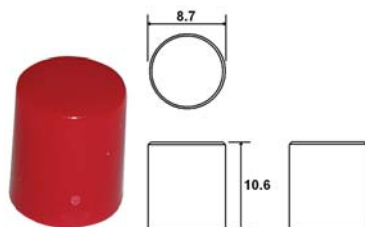
C12

1 = White, 2 = Black, 3 = Red, 9 = Light Gray
Contact Factory for other available colors



C13

1 = White, 2 = Black, 3 = Red, 9 = Light Gray
Contact Factory for other available colors



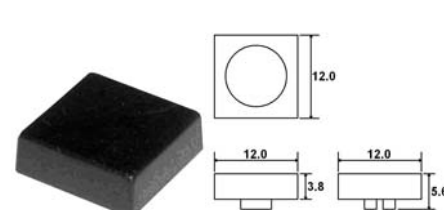
C14

1 = White, 2 = Black, 3 = Red, 9 = Light Gray
Contact Factory for other available colors



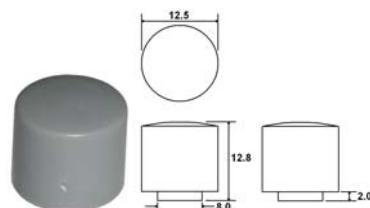
C15

2 = Black, 0 = Clear
Contact Factory for other available colors



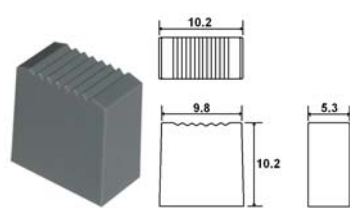
C16

1 = White, 2 = Black, 3 = Red, 7 = Blue
Contact Factory for other available colors



C18

1 = White, 2 = Black, 9 = Light Gray
Contact Factory for other available colors



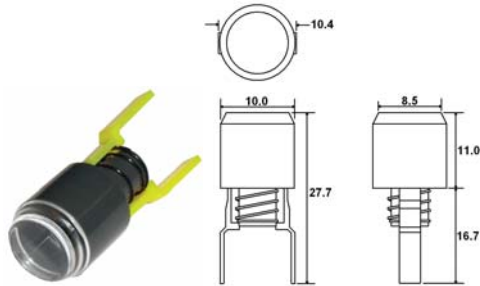
C19

1 = White, 2 = Black, 3 = Red, 8 = Dark Gray
Contact Factory for other available colors

DL

Horizontal Pushbutton

Cap Options



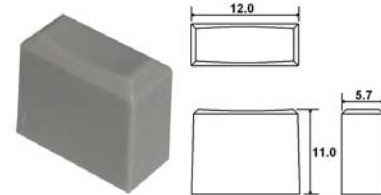
C20

Housing Color : 2 = Black, 9 = Light Gray
Indicator Color : 1 = White, 4 = Yellow, 5 = Green, 7 = Blue
Contact Factory for other available colors



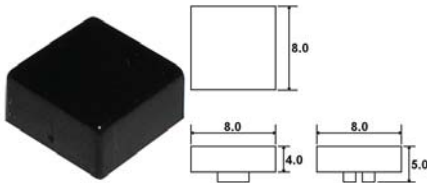
C22

1 = White, 2 = Black, 8 = Dark Gray, 9 = Light Gray
Contact Factory for other available colors



C26

1 = White, 2 = Black, 3 = Red, 9 = Light Gray
Contact Factory for other available colors



C27

1 = White, 2 = Black, 3 = Red, 9 = Light Gray
Contact Factory for other available colors

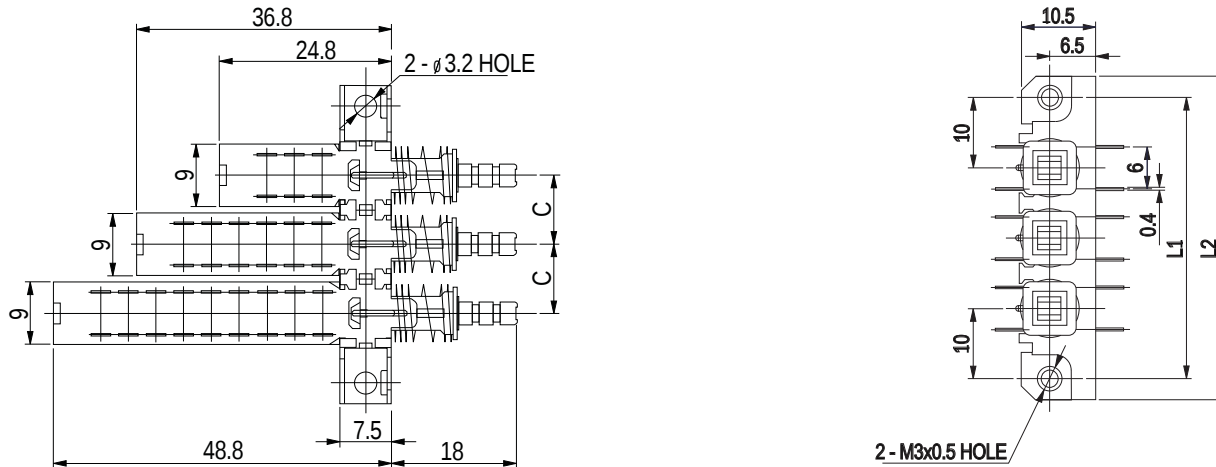


C28

1 = White, 2 = Black, 3 = Red
Contact Factory for other available colors

Multi-Stage Chassis

Part Numbers assigned at the factory



Bracket Length & Mounting Pitch

Pitch (C)	Number of Positions											
	1		2		3		4		5		6	
	L1	L2	L1	L2	L1	L2	L1	L2	L1	L2	L1	L2
10mm	18	24	30	36	40	46	50	56	60	66	70	76
12.5mm			32.5	38.5	45	51	57.5	63.5	70	76	82.5	88.5
15mm			35	41	50	56	65	71	80	86	95	101
17.5mm			37.5	43.5	55	61	72.5	78.5	90	96	107.5	113.5
20mm			40	46	60	66	80	86	100	106	120	126
25mm			45	51	70	76	95	101	120	126	145	151
30mm			50	56	80	86	110	116	140	146	170	176