

Switch Selection Guide

TOGGLES - SECTION A

MAXIMUM RATING	SIZE	MOUNTING					TERMINALS					PROCESS SEAL	SERIES	PAGE NO.
		PC Board	Bush-ing	Snap-in	Two Screw	Solder Lug	PC	Quick Connect	Wire-Wrap	Screw	SMT Gull Wing			
0.4VA @ 28V AC/DC	ultra-mini	•					•					•	G	A34
0.4VA @ 28V AC/DC	ultra-mini	•					•					•	G Illum	A38
0.4VA @ 28V AC/DC	ultra-mini										•	•	G3T	A42
0.4VA @ 28V AC/DC	submini	•					•					•	A	A4
0.4VA @ 28V AC/DC	submini	•					•					•	B	A12
0.4VA @ 28V AC/DC	submini	•					•					•	B Illum	A20
0.4VA @ 28V AC/DC	miniature	•	•			•	•	•	•			•	M	A48
0.4VA @ 28V AC/DC	miniature	•	•			•	•	•				•	M2T	A88
0.4VA @ 28V AC/DC	miniature	•	•			•	•	•					M2100	A80
0.4VA @ 28V AC/DC	miniature		•			•							TL	A126
0.4VA @ 48V AC/DC	miniature	•	•			•	•						D2	A24
6A @ 125V AC	miniature	•	•			•	•	•	•				M	A48
6A @ 125V AC	miniature	•	•			•	•	•				•	M2T	A88
6A @ 125V AC	miniature	•	•			•	•	•					M2100	A80
6A @ 125V AC	miniature		•			•							TL	A126
10A @ 125V AC	standard	•	•			•	•	•					P	A96
10A @ 125V AC	standard		•			•			wire lead	•			WT	A132
5A @ 125V AC	standard		•			•							S Low Cap	A101
15~20A @ 125V AC	standard		•			•		•					S Med Cap	A103
15~20A @ 125V AC	standard		•			•		•			•		S Med Cap	A108
30~50A @ 125V AC	standard		•								•		S Hi Cap	A119
30A @ 125V AC/DC	standard		•								•		S AC/DC	A119

ROCKERS - SECTION B

MAXIMUM RATING	SIZE	MOUNTING					TERMINALS					PROCESS SEAL	SERIES	PAGE NO.
		PC Board	Bush-ing	Snap-in	Two Screw	Solder Lug	PC	Quick Connect	Wire-Wrap	Screw				
0.4VA @ 28V AC/DC	ultra-mini	•					•					•	G	B28
0.4VA @ 28V AC/DC	ultra-mini	•					•						GW	B32
0.4VA @ 28V AC/DC	ultra-mini	•					•						GW Illum	B36
0.4VA @ 28V AC/DC	submini	•					•					•	A	B4
0.4VA @ 28V AC/DC	miniature	•		•	•	•	•	•	•			•	M	B62
0.4VA @ 28V AC/DC	miniature	•		•	•	•	•	•				•	M2T	B98
0.4VA @ 28V AC/DC	miniature	•		•	•	•	•	•					M2100	B92
3A @ 250V AC	miniature			•	•	•	•						CWT	B12
5A @ 125V AC	miniature			•	•	•	•						MLW	B106
6A @ 125V AC	miniature			•	•	•	•						CWT	B12
6A @ 125V AC	miniature	•		•	•	•	•	•	•				M	B62
6A @ 125V AC	miniature	•		•	•	•	•	•				•	M2T	B98
6A @ 125V AC	miniature	•		•	•	•	•	•					M2100	B92
6A @ 125/250V AC	miniature			•	•	•	•	•					JWS	B50
6A @ 250V AC	miniature	•		•	•	•	•	•					CWS	B12
9A @ 125V AC	miniature			•	•	•	•	•					CWSB Illum	B18
9A @ 125V AC	miniature			•	•	•	•	•					CWSC Illum	B22
10A @ 125V AC	standard			•	•	•	•	•					P	B114
10A @ 125V AC	standard			•	•	•	•						LW	B56
10A @ 125/250V AC	miniature			•	•	•	•	•					JWS	B50
10A @ 125/250V AC	standard			•	•	•	•	•					JWM	B40
15A @ 125/250V AC	standard			•	•	•	•	•	wire lead	•			WR	B124
16A @ 125/250V AC	standard			•	•	•	•	•					JWL	B40
20A @ 110V AC	standard			•	•	•	•						LW	B56
15~20A @ 125V AC	standard			•	•	•	•						SW Med	B120
30A @ 125V AC/DC	standard			•	•	•	•				•		SW Hi Cap	B122

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PUSHBUTTONS - SECTION C

MAXIMUM RATING	SIZE	MOUNTING					TERMINALS					PROCESS SEAL	SERIES	PAGE NO.
		PC Board	Bush-ing	Snap-in	Two Screw	Solder Lug	PC	Quick Connect	Wire-Wrap	Screw	SMT Gull Wing			
0.4VA @ 28V AC/DC	ultra-mini	•					•					•	GB	C44
0.4VA @ 28V AC/DC	ultra-mini	•					•						GB2	C48
0.4VA @ 28V AC/DC	ultra-mini										•	•	G3B	C52
0.4VA @ 28V AC/DC	submini	•					•					•	AB	C6
0.4VA @ 28V AC/DC	submini	•					•					•	BB	C12
0.4VA @ 28V AC/DC	miniature	•	•				•						DB	C18
0.4VA @ 28V AC/DC	miniature	•	•	•		•	•						EB	C24
0.4VA @ 28V AC/DC	submini		•				turret						FB	C38
0.4VA @ 28V AC/DC	miniature	•					•					•	M2B	C64
0.4VA @ 28V AC/DC	miniature	•	•	•		•	•	•	•				MB2000	C72
0.4VA @ 28V AC/DC	miniature	•	•	•		•	•	•	•				MB2400	C96
0.4VA @ 28V AC/DC	miniature	•	•	•		•	•	•	•				MB2500	C116
0.4VA @ 28V AC/DC	miniature		•			•							SB4011	C38
500mA @ 125V AC	submini		•				turret						FB	C38
1A @ 125V AC	miniature	•					•					•	M2B	C64
3A @ 125V AC	miniature	•	•	•		•	•						EB	C24
3A @ 125V AC	miniature	•	•	•		•	•		•				MB2400	C96
3A @ 125V AC	miniature	•	•	•		•	•						MB2500	C116
3A @ 125V AC	miniature		•			•							SB4011	C38
6A @ 125V AC	miniature	•	•	•		•	•	•	•				MB2000	C72
6A @ 125V AC	standard		•			•			wire lead	•			WB	C134
10A @ 125/250V AC	standard			•		•		•					JPM	C58
15A @ 125V AC	standard		•			•				•			SB	C128
15A @ 125V AC	standard		•					•					SCB	C131
16A @ 125/250V AC	standard			•		•		•					JPL	C58

ILLUMINATED PUSHBUTTONS - SECTION D

MAXIMUM RATING	SIZE	MOUNTING					TERMINALS					PROCESS SEAL	SERIES	PAGE NO.
		PC Board	Bush-ing	Snap-in	Two Screw	Solder Lug	PC	Quick Connect	Wire-Wrap	Screw				
0.4VA @ 28V AC/DC	ultra-mini	•					•					•	GB	D8
0.4VA @ 28V AC/DC	submini	•					•						HB2	D18
0.4VA @ 28V AC/DC	submini	•					•						NP01	D74
0.4VA @ 28V AC/DC	miniature	•	•	•		•	•						KB	D22
0.4VA @ 28V AC/DC	miniature	•		•		•	•						UB	D80
0.4VA @ 28V AC/DC	miniature	•		•		•	•						UB2	D92
0.4VA @ 28V AC/DC	miniature		•	•		•	•	•					YB	D104
0.4VA @ 28V AC/DC	standard	•	•	•		•	•	•					LB	D48
0.4VA @ 28V AC/DC	standard		•			•		•					YB2	D118
0.1A @ 30V AC/DC	submini		•			•							HB	D12
100mA @ 12V DC	miniature	•					•						KP	D36
1A @ 125/250V AC	miniature	•	•	•		•	•						KB	D22
3A @ 125/250V AC	miniature		•	•		•	•	•					YB	D104
3A @ 125/250V AC	miniature		•	•		•	•	•					LP01	D68
3A @ 125/250V AC	standard	•	•	•		•	•	•					LB	D48
3A @ 125/250V AC	standard		•			•		•					YB2	D118
5A @ 125/250V AC	miniature	•		•		•	•	•					UB	D80
5A @ 125/250V AC	miniature	•		•		•	•	•					UB2	D92
5V Photo Interrupter	standard			•		•							* FP01	D4

* See FP01 Series for connector options

Switch Selection Guide

SMARTDISPLAY PROGRAMMABLE - SECTION E

MAXIMUM RATING	SIZE	LCD	OLED	RESOLUTION (PIXELS)	MOUNTING		TERMINALS	SERIES	PAGE NO.
					PC Board	Snap-in	PC		
PUSHBUTTON									
100mA @ 12V DC	standard		•	96 x 64	•		•	IS	E4
100mA @ 12V DC	standard		•	64 x 48	•		•	IS	E8
100mA @ 12V DC	standard	•		64 x 32	•		•	IS	E22
100mA @ 12V DC	compact	•		64 x 32	•		•	IS	E28
100mA @ 12V DC	standard	•		36 x 24	•	* •	•	IS	E35
100mA @ 12V DC	compact	•		36 x 24	•		•	IS	E41
DISPLAY									
	standard		•	52 x 36				IS	E8
	standard	•		64 x 32				IS	E26
	standard	•		36 x 24				IS	E39
ROCKER									
3VA maximum DC			•	96 x 64			•	IS	E15

* Mounting option with Panel Mount Housing

KEYLOCKS - SECTION F

MAXIMUM RATING	SIZE	MOUNTING	INDEXING	TERMINALS	POSITIONS	PROCESS SEAL	SERIES	PAGE NO.
0.4VA @ 28V AC/DC	submini	PC Board	45°	PC	3	•	SK	F15
0.4VA @ 28V AC/DC	submini	PC Board	45°	PC	5	•	SK	F15
0.4VA @ 28V AC/DC	miniature	PC Board	90°	PC	2	•	SK	F19
0.4VA @ 28V AC/DC	miniature	PC Board	45°	PC	3	•	SK	F19
0.4VA @ 28V AC/DC	miniature	Snap-in	45°	Solder Lug	3		SK	F25
3A @ 125V AC	miniature	Bushing	45°	Solder Lug	3		SK	F9
3A @ 125V AC	miniature	Bushing	90°	Solder Lug	2		SK	F9
3A @ 250V AC	standard	Bushing	90°	Solder Lug	2		CK	F3
3A @ 250V AC	standard	Bushing	45°	Solder Lug	3		CK	F3

ROTARIES - SECTION G

MAXIMUM RATING	SIZE	MOUNTING		INDEXING	TERMINALS				PROCESS SEAL	SERIES	PAGE NO.
		PC Board	Bush-ing	Step Size	Solder Lug	PC	Screw	SMT Gull Wing			
0.4VA @ 28V AC/DC	miniature	•		30°		•			•	MRF	G16
0.4VA @ 28V AC/DC	miniature	•	•	30°		•			•	MRK	G16
0.4VA @ 28V AC/DC	miniature	•	•	45° & 90°		•			•	MRB	G28
0.4VA @ 28V AC/DC	miniature		•	60°		turret				MRY	G22
100mA @ 5/50V DC	ultra-mini	•		22.5° & 36°		•			•	ND	G34
100mA @ 5/50V DC	ultra-mini			22.5° & 36°				•	•	ND3	G38
100mA @ 5/50V DC	submini	•	•	22.5° & 36°		•				FRO1	G4
100mA @ 5/50V DC	submini			22.5° & 36°				•		FRO2	G12
250mA @ 125V AC	miniature	•	•	30°		•			•	MRA	G16
1A @ 30V DC	miniature		•	45°		turret				MRX	G22
2A @ 30V DC	miniature		•	60°		turret				MRY	G22
2A @ 125V AC	miniature		•	45°		turret				MRX	G22
3A @ 30V DC	miniature		•	60°	•					MRT23	G22
3A @ 125V AC	miniature		•	60°		turret				MRY	G22
4A @ 30V DC	miniature		•	120°	•					MRT22	G22
5A @ 125V AC	miniature		•	60°	•					MRT23	G22
6A @ 125V AC	standard		•	45°	•					HS13	G46
6A @ 125/250V AC	standard		•	30°				•		TS	G46
10A @ 125V AC	miniature		•	120°	•					MRT22	G22
12A @ 125V AC	standard		•	30°	•					HS16	G46
30A @ 125/250V AC	standard		•	30°				•		PS	G46

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SLIDES - SECTION H

MAXIMUM RATING	SIZE	MOUNTING					TERMINALS					PROCESS SEAL	SERIES	PAGE NO.	
		PC Board	Bush-ing	Snap-in	Two Screw	Solder Lug	PC	Quick Connect	Wire-Wrap	Screw	SMT Gull Wing				
0.4VA @ 28V AC/DC	ultra-mini	•					•							SS	H44
0.4VA @ 28V AC/DC	ultra-mini											•		SS3	H53
0.4VA @ 28V AC/DC	submini	•					•							AS	H4
0.4VA @ 28V AC/DC	miniature	•					•							FS	H14
0.4VA @ 28V AC/DC	miniature	•			•	•	•							MS	H30
1.0mA @ 10mV AC/DC	ultra-mini	•					•							SM	H42
25mA @ 24V DC	ultra-mini	•					•							JS01, JS03	H18
25mA @ 24V DC	ultra-mini											•		JS02, JS04	H24
0.1A @ 12V DC	ultra-mini											•		SS3	H53
0.1A @ 30V DC	ultra-mini	•					•							SS	H44
0.1A @ 30V DC	ultra-mini	•					•							SS Illum	H49
0.1A @ 50V DC	ultra-mini	•					•							JS01, JS03	H18
0.1A @ 50V DC	ultra-mini											•		JS02, JS04	H24
500mA @ 12V DC	ultra-mini	•					•							SM	H42
3A @ 125V AC	miniature	•					•							CS	H10
6A @ 125V AC	miniature	•			•	•	•							MS	H30
6A @ 125V AC	miniature	•			•	•	•							MS Illum	H38

TACTILES - SECTION J

MAXIMUM RATING	SIZE	MOUNTING					TERMINALS					PROCESS SEAL	SERIES	PAGE NO.	
		PC Board	Bush-ing	Snap-in	Two Screw	Solder Lug	PC	Quick Connect	Wire-Wrap	Screw	SMT Gull Wing				
0.4VA @ 28V AC/DC	ultra-mini	•					•							HP02	J12
0.4VA @ 28V AC/DC	ultra-mini											•		HP03	J16
3VA @ 28V DC	ultra-mini	•					•							HP02	J12
3VA @ 28V DC	ultra-mini											•		HP03	J16
50mA @ 24V DC	ultra-mini	•					•						•	CB	J4
50mA @ 24V DC	ultra-mini											•	•	CB3	J8
50mA @ 24V DC	submini	•					•						•	JF	J34
50mA @ 24V DC	submini	•					•						•	JF Illum	J40
50mA @ 24V DC	submini	•					•						•	JB	J20
50mA @ 24V DC	submini	•					•						•	JB Illum	J28
50mA @ 24V DC	submini	•					•							JL	J46
125mA @ 24V DC	submini	•					•						•	JB	J20
125mA @ 24V DC	submini	•					•						•	JB Illum	J28

TILT SWITCHES - SECTION K

MAXIMUM RATING	SIZE	MOUNTING				TERMINALS					PROCESS SEAL	SERIES	PAGE NO.	
		PC Board	Bush-ing	Snap-in	Two Screw	Solder Lug	PC	Quick Connect	Wire-Wrap	Screw				
0.1A @ 12V DC	miniature	•					•						DSA	K3
5V Photo Interrupter	submini	•					•					•	DSB	K3

Switch Selection Guide

TOUCH SCREENS - SECTION L

MAXIMUM RATING	TECHNOLOGY	INPUT METHOD	*STANDARD SCREEN SIZES	SERIES	PAGE NO.
5.5V DC	5-Wire Resistive	Finger, Gloved Finger or Stylus	10.4" ~ 15.0"	FT	L3
1mA @ 5V DC (resistive load)	4-Wire Resistive		5.7" ~ 15.0"	FT	L8
		Digital	Finger	5.7"	FT

* Custom sizes available; contact factory for more information.

MEMBRANE SWITCH KEYPADS - SECTION L

MAXIMUM RATING	ILLUMINATION	NUMBER OF KEYS	SURFACE SHEET		Overlay	SERIES	PAGE NO.
			Black	Gray			
20mA @ 24V DC	Nonilluminated	4	•			FM	L15
		4		•			
		16	•				
		16		•			
	Dot Illuminated with Overlay	12			Gray Surface Sheet with Embossed White Keypad & Gray Legends		
		16					