

Switch Selection Guide

TOGGLES - SECTION A

MAXIMUM RATING	SIZE	MOUNTING					TERMINALS					PROCESS SEAL	SERIES	NOTES
		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	
0.4VA @ 28V AC/DC	ultra-mini	•					•					•	G Illum	
0.4VA @ 28V AC/DC	ultra-mini										•	•	G3T	
0.4VA @ 28V AC/DC	submini	•					•					•	A	
0.4VA @ 28V AC/DC	submini	•					•					•	B	
0.4VA @ 28V AC/DC	submini	•					•					•	B Illum	
0.4VA @ 28V AC/DC	miniature	•	•			•	•	•	•				M	
0.4VA @ 28V AC/DC	miniature	•					•					•	M2T	*
0.4VA @ 28V AC/DC	miniature	•	•			•	•	•					M2100	
0.4VA @ 28V AC/DC	miniature		•			•							TL	
0.4VA @ 48V AC/DC	miniature	•	•				•						D2	
6A @ 125V AC	miniature	•	•			•	•	•	•				M	
6A @ 125V AC	miniature	•					•					•	M2T	*
6A @ 125V AC	miniature	•	•			•	•	•					M2100	
6A @ 125V AC	miniature		•			•							TL	
10A @ 125V AC	standard	•	•			•	•	•					P	*
10A @ 125V AC	standard		•			•			wire lead	•			WT	
5A @ 125V AC	standard		•			•							S Low Cap	*
15~20A @ 125V AC	standard		•			•		•					S Med Cap	
15~20A @ 125V AC	standard		•			•		•		•			S Med Cap	
30A @ 125V AC	standard		•							•			S Hi Cap	
30A @ 125V AC/DC	standard		•							•			S AC/DC	

* Obsolete

Switch Selection Guide

ROCKERS - SECTION B

MAXIMUM RATING	SIZE	MOUNTING				TERMINALS					PROCESS SEAL	SERIES	NOTES
		PC Board	Bush-ing	Snap-in	Two Screw	Solder Lug	PC	Quick Connect	Wire-Wrap	Screw			
0.4VA @ 28V AC/DC	ultra-mini	•					•				•	G	
0.4VA @ 28V AC/DC	ultra-mini	•					•					GW	
0.4VA @ 28V AC/DC	ultra-mini	•					•					GW Illum	
0.4VA @ 28V AC/DC	submini	•					•				•	A	
0.4VA @ 28V AC/DC	miniature	•		•	•	•	•	•	•			M	
0.4VA @ 28V AC/DC	miniature	•					•				•	M2T	*
0.4VA @ 28V AC/DC	miniature	•		•	•	•	•	•				M2100	
3A @ 250V AC	miniature			•		•						CWT	
5A @ 125V AC	miniature			•		•						MLW	
6A @ 125V AC	miniature			•		•						CWT	
6A @ 125V AC	miniature	•		•	•	•	•	•	•			M	
6A @ 125V AC	miniature	•					•				•	M2T	*
6A @ 125V AC	miniature	•		•	•	•	•	•				M2100	
6A @ 125/250V AC	miniature			•		•		•				JWS	
6A @ 250V AC	miniature	•		•		•	•	•				CWS	
9A @ 125V AC	miniature			•				•				CWSB Illum	
9A @ 125V AC	miniature			•		•		•				CWSC Illum	*
10A @ 125V AC	standard				•	•	•	•				P	*
10A @ 125V AC	standard			•		•						LW	*
10A @ 125/250V AC	miniature			•		•		•				JWS	
10A @ 125/250V AC	standard			•		•		•				JWM	
15A @ 125/250V AC	standard			•		•		•	wire lead	•		WR	
16A @ 125/250V AC	standard			•		•		•				JWL	
20A @ 110V AC	standard				•	•						LW3021A	
15~20A @ 125V AC	standard				•	•						SW Med	
30A @ 125V AC/DC	standard				•					•		SW Hi Cap	

* Obsolete

Switch Selection Guide

PUSHBUTTONS - SECTION C

MAXIMUM RATING	SIZE	MOUNTING				TERMINALS						PROCESS SEAL	SERIES	NOTES
		PC Board	Bush-ing	Snap-in	Two Screw	Solder Lug	PC	Quick Connect	Wire-Wrap	Screw	SMT			
0.4VA @ 28V AC/DC	ultra-mini	•					•					•	GB	
0.4VA @ 28V AC/DC	ultra-mini	•					•						GB2	
0.4VA @ 28V AC/DC	ultra-mini											• J Bend	GP01	
0.4VA @ 28V AC/DC	ultra-mini											• Gull Wing	G3B	
0.4VA @ 28V AC/DC	submini	•					•						AB	
0.4VA @ 28V AC/DC	submini	•					•						BB	
0.4VA @ 28V AC/DC	miniature	•	•				•						DB	
0.4VA @ 28V AC/DC	miniature	•	•	•		•	•						EB	
0.4VA @ 28V AC/DC	submini		•				turret						FB	
0.4VA @ 28V AC/DC	miniature	•					•					•	M2B	
0.4VA @ 28V AC/DC	miniature	•	•	•		•	•	•	•				MB2000	
0.4VA @ 28V AC/DC	miniature	•	•	•		•	•		•				MB2400	
0.4VA @ 28V AC/DC	miniature	•	•	•		•	•						MB2500	
0.4VA @ 28V AC/DC	miniature		•			•							SB4011	
500mA @ 125V AC	submini		•				turret						FB	
1A @ 125V AC	miniature	•					•					•	M2B	
3A @ 125V AC	miniature	•	•	•		•	•						EB	
3A @ 125V AC	miniature	•	•	•		•	•		•				MB2400	
3A @ 125V AC	miniature	•	•	•		•	•						MB2500	
3A @ 125V AC	miniature		•			•							SB4011	
6A @ 125V AC	miniature	•	•	•		•	•	•	•				MB2000	
6A @ 125V AC	standard		•			•			wire lead	•			WB	
10A @ 125/250V AC	standard			•		•		•					JPM	
10A @ 125V AC	standard		•			•				•			SB	
15A @ 125V AC	standard		•					•					SCB	*
16A @ 125/250V AC	standard			•		•		•					JPL	

* Obsolete

EMERGENCY STOP SWITCHES

MAXIMUM RATING	SIZE	MOUNTING				TERMINALS					PROCESS SEAL	SERIES	
		PC Board	Bush-ing	Snap-in	Two Screw	Solder Lug	PC	Quick Connect	Wire-Wrap	Screw			
0.5A @ 24V DC	standard		•			•							FF01

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ILLUMINATED PUSHBUTTONS - SECTION D

MAXIMUM RATING	SIZE	MOUNTING					TERMINALS					PROCESS SEAL	SERIES NOTES
		PC Board	Bush-ing	Snap-in	Two Screw	Solder Lug	PC	Quick Connect	Wire-Wrap	Screw	SMT		
0.4VA @ 28V AC/DC	ultra-mini	•					•					•	GB
0.4VA @ 28V AC/DC	submini	•					•						HB2
0.4VA @ 28V AC/DC	submini	•					•						NP01
0.4VA @ 28V AC/DC	miniature	•	•	•		•	•						KB *
0.4VA @ 28V AC/DC	miniature	•		•		•	•						UB
0.4VA @ 28V AC/DC	miniature	•		•		•	•						UB2
0.4VA @ 28V AC/DC	miniature		•	•		•	•	•					YB
0.4VA @ 28V AC/DC	standard	•	•	•		•	•	•					LB
0.4VA @ 28V AC/DC	standard		•			•		•					YB2
0.1A @ 30V AC/DC	submini		•			•							HB
100mA @ 12V DC	miniature	•					•						KP
100mA @ 12V DC	miniature									•			KP04
1A @ 125/250V AC	miniature	•	•	•		•	•						KB *
3A @ 125/250V AC	miniature		•	•		•	•	•					YB
3A @ 125/250V AC	miniature		•	•		•	•	•					LP01
3A @ 125/250V AC	standard	•	•	•		•	•	•					LB
3A @ 125/250V AC	standard		•			•		•					YB2
5A @ 125/250V AC	miniature	•		•		•	•						UB
5A @ 125/250V AC	miniature	•		•		•	•						UB2
5V Photo Interrupter	standard			•									FP01 *

* Obsolete

SMARTDISPLAY PROGRAMMABLE - SECTION E

MAXIMUM RATING	SIZE	LCD	OLED	RESOLUTION (PIXELS)	MOUNTING		TERMINALS	SERIES
					PC Board	Snap-in	PC	
PUSHBUTTON								
100mA @ 12V DC	standard		•	96 x 64	•		•	IS
100mA @ 12V DC	standard		•	64 x 48	•		•	IS
100mA @ 12V DC	standard	•		64 x 32	•		•	IS
100mA @ 12V DC	compact	•		64 x 32	•		•	IS
100mA @ 12V DC	standard	•		36 x 24	•	1•	•	IS
100mA @ 12V DC	compact	•		36 x 24	•		•	IS
DISPLAY	standard		•	52 x 36				IS
	standard	•		64 x 32				IS
	standard	•		36 x 24				IS
ROCKER								
3VA @ 24V DC			•	96 x 64			•	IS

¹ Mounting Option with Panel Mount Housing

Switch Selection Guide

KEYLOCKS - SECTION F

MAXIMUM RATING	SIZE	MOUNTING	INDEXING	TERMINALS	POSITIONS	PROCESS SEAL	SERIES
0.4VA @ 28V AC/DC	submini	PC Board	45°	PC	3	•	SK
0.4VA @ 28V AC/DC	submini	PC Board	45°	PC	5	•	SK
0.4VA @ 28V AC/DC	miniature	PC Board	90°	PC	2	•	SK
0.4VA @ 28V AC/DC	miniature	PC Board	45°	PC	3	•	SK
0.4VA @ 28V AC/DC	miniature	Snap-in	45°	Solder Lug	3		SK
3A @ 125V AC	miniature	Bushing	45°	Solder Lug	3		SK
3A @ 125V AC	miniature	Bushing	90°	Solder Lug	2		SK
3A @ 250V AC	standard	Bushing	90°	Solder Lug	2		CK
3A @ 250V AC	standard	Bushing	45°	Solder Lug	3		CK

ROTARIES - SECTION G

MAXIMUM RATING	SIZE	MOUNTING		INDEXING	TERMINALS				PROCESS SEAL	SERIES	NOTES
		PC Board	Bush-ing	Step Size	Solder Lug	PC	Screw	SMT Gull Wing			
0.4VA @ 28V AC/DC	miniature	•		30°		•			•	MRF	
0.4VA @ 28V AC/DC	miniature	•	•	30°		•			•	MRK	
0.4VA @ 28V AC/DC	miniature	•	•	45° & 90°		•			•	MRB	
0.4VA @ 28V AC/DC	miniature		•	60°		turret				MRY	
0.4VA @ 28V AC/DC	submini	•		45°		•			•	NR01	
100mA @ 5/50V DC	ultra-mini	•		22.5° & 36°		•			•	ND	**
100mA @ 5/50V DC	ultra-mini			22.5° & 36°				•	•	ND3	**
100mA @ 5/50V DC	submini	•	•	22.5° & 36°		•				FR01	
100mA @ 5/50V DC	submini			22.5° & 36°				•		FR02	
250mA @ 125V AC	miniature	•	•	30°		•			•	MRA	
1A @ 30V DC	miniature		•	45°		turret				MRX	
2A @ 30V DC	miniature		•	60°		turret				MRY	
2A @ 125V AC	miniature		•	45°		turret				MRX	
3A @ 30V DC	miniature		•	60°	•	turret				MRT23	
3A @ 125V AC	miniature		•	60°		turret				MRY	
4A @ 30V DC	miniature		•	120°	•					MRT22	
5A @ 125V AC	miniature		•	60°	•					MRT23	
6A @ 125V AC	standard		•	45°	•					HS13	*
6A @ 125/250V AC	standard		•	30°				•		TS	*
10A @ 125V AC	miniature		•	120°	•					MRT22	
12A @ 125V AC	standard		•	30°	•					HS16	*
30A @ 125/250V AC	standard		•	30°				•		PS	*

* Obsolete

** Not Recommended for New Design

Switch Selection Guide

SLIDES - SECTION H

MAXIMUM RATING	SIZE	MOUNTING					TERMINALS					PROCESS SEAL	SERIES	NOTES
		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	
0.4VA @ 28V AC/DC	ultra-mini										•		SS3	
0.4VA @ 28V AC/DC	submini	•					•						AS	
0.4VA @ 28V AC/DC	miniature	•					•						FS	
0.4VA @ 28V AC/DC	miniature	•			•	•	•						MS	
1.0mA @ 10mV AC/DC	ultra-mini	•					•						SM	
25mA @ 24V DC	ultra-mini	•					•						JS01, JS03	
25mA @ 24V DC	ultra-mini										•		JS02	
25mA @ 24V DC	ultra-mini										•		JS04	**
0.1A @ 12V DC	ultra-mini										•		SS3	
0.1A @ 30V DC	ultra-mini	•					•						SS	
0.1A @ 30V DC	ultra-mini	•					•						SS Illum	
0.1A @ 50V DC	ultra-mini	•					•						JS01, JS03	
0.1A @ 50V DC	ultra-mini										•		JS02	
0.1A @ 50V DC	ultra-mini										•		JS04	**
500mA @ 12V DC	ultra-mini	•					•						SM	
3A @ 125V AC	miniature	•					•						CS	
6A @ 125V AC	miniature	•			•	•	•						MS	
6A @ 125V AC	miniature	•			•	•	•						MS Illum	

** Not Recommended for New Design

TACTILES - SECTION J

MAXIMUM RATING	SIZE	MOUNTING					TERMINALS					PROCESS SEAL	SERIES
		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
0.4VA @ 28V AC/DC	ultra-mini										•		HP03
3VA @ 28V DC	ultra-mini	•					•						HP02
3VA @ 28V DC	ultra-mini										•		HP03
50mA @ 24V DC	ultra-mini	•					•					•	CB
50mA @ 24V DC	ultra-mini										•	•	CB3
50mA @ 24V DC	submini	•					•					•	JF
50mA @ 24V DC	submini	•					•					•	JF Illum
50mA @ 24V DC	submini	•					•					•	JB
50mA @ 24V DC	submini	•					•					•	JB Illum
50mA @ 24V DC	submini	•					•					•	JL
125mA @ 24V DC	submini	•					•					•	JB
125mA @ 24V DC	submini	•					•					•	JB Illum

Switch Selection Guide

TILT SWITCHES - SECTION K

MAXIMUM RATING	SIZE	MOUNTING				TERMINALS					PROCESS SEAL	SERIES
		PC Board	Bush-ing	Snap-in	Two Screw	Solder Lug	PC	Quick Connect	Wire-Wrap	Screw		
0.1A @ 12V DC	miniature	•					•					DSA
5V Photo Interrupter	submini	•					•				•	DSB

TOUCH SCREENS - SECTION L

MAXIMUM RATING	TECHNOLOGY	INPUT METHOD	STANDARD SCREEN SIZES	SERIES	NOTES
1mA @ 5.5V DC (Resistive Load)	5-Wire Resistive	Finger or Stylus	10.4" ~ 15.0" **	FT	
1mA @ 5V DC (Resistive Load)	4-Wire Resistive with Printed Tail	Finger or Stylus	5.7" ~ 19.0" **	FT	
1mA @ 5V DC (Resistive Load)	4-Wire Resistive with FPC Tail	Finger or Stylus	5.7" ~ 19.0" **	FT	
1mA @ 5V DC (Resistive Load)	Digital	Finger or Stylus	5.7" **	FT	
1mA @ 5.5V DC (Resistive Load)	4-Wire Resistive Multi-Touch	Finger or Stylus	10.4" ~ 19.0"	TP01	*
1mA @ 5.5V DC (Resistive Load)	4-Wire Resistive Multi-Touch	Finger or Stylus	10.4" ~ 19.0" **	TP02	

* Obsolete

** Custom sizes available; contact factory for more information.

MEMBRANE SWITCH KEYPADS - SECTION L

MAXIMUM RATING	ILLUMINATION	NUMBER OF KEYS	SURFACE SHEET		Overlay	SERIES	
			Black	Gray			
20mA @ 24V DC	Nonilluminated	4	•			FM	
		4		•			
		16	•				
		16		•			
	Dot Illuminated with Overlay	12					Gray Surface Sheet with Embossed White Keypad & Gray Legends
		16					