

Ø16 Switches/Buttons

F16 Series



Ordering Information
F16 - 1 1 0 R 24 - 6 D
① ② ③ ④ ⑤ ⑥ ⑦

Features

- 16 mm (5/8") Mounting Holes
- IP 65 degree of protection (Water & dust proof)
- Assemble up to 3 contact blocks (1 contact block : SPDT, 3A 110VAC, 24K Ag alloy)
- Illuminated Mushroom & Selector switches for Round, square, rectangular heads
- Quick connectors (tap #110) or available solder connection or PCB pin sockets
- Available Flush mounting guide (Aluminum)



Pilot Lamps & Push Buttons



Selector Switches



Key Switches



Emergency Resets



Mushroom Type Push Buttons

① Product Category	1	Pilot Lamp
	2	Momentary
	3	Maintained
	4	2 step selector
	5	3 step selector
	6	2 step key selector
	7	3 step key selector
	8	E-Stop switch (Standard)
	9	Momentary Mushroom Head
	A	E-Stop (Name plate built-in)
L	Lever	

② Type	1	Round
	2	Square
	3	Rectangular
	7	LED Illuminated Round
	8	LED Illuminated Square
	9	LED Illuminated Rectangular

③ Contact Arrangement	0	Pilot Lamp
	1	SPST (1a+1b)
	2	DPDT (2a+2b)
	3	3P3T (3a+3b)

④ Head Color	R	Red
	G	Green
	Y	Yellow
	W	White
	B	Blue
	K	Black (Non-Illuminated type)

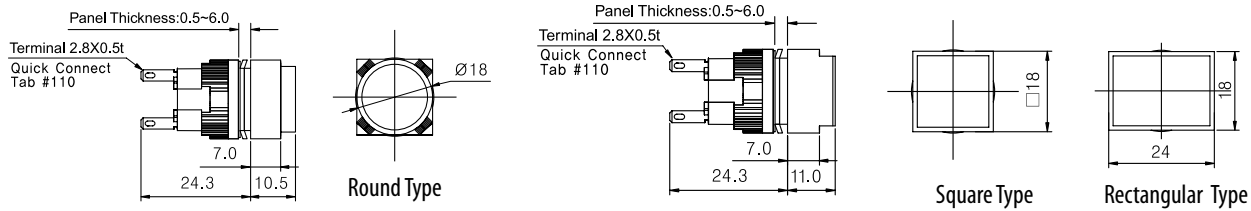
⑤ LED Voltage	6	6VDC
	12	12VDC
	24	24VDC
	110	110VAC available with transformer F16-T1
		No Voltage

⑥ Reset type				⑦ Key release position							
	Manual	Automatic									
2 Steps											
Ordering Code	2	0		A	B		D				
3 Steps											
Ordering Code	3	7	6	1	A	B	C	D	E	F	G

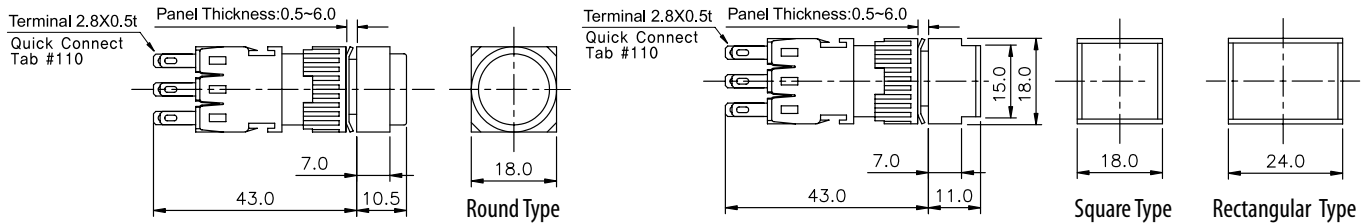
Specifications

General Specification	Rated Insulation Voltage	250VAC/DC		
	Contact Resistance	Max. 50mΩ		
	Insulation Resistance	100MΩ at 500V DC		
	Dielectric Strength	btwn Charger & Earth	2,000VAC for 1 Min.	
		btwn Charging sectors	1,500VAC for 1 Min.	
	Vibration Resistance	Dual wave length 0.1mm (10~55Hz)		
	Shock Resistance	Operation error: 100m/s ² , Durability 500m/s ²		
	Expected Life	Mechanical	Push Button (release): Min. 1,000,000	
		Electrical	Others: 250,000 Min.	
	Frequency of On/Off	1,200 times/hr		
	Ambient Temperature	Operation: -20°C~ +70°C, Storage: -30°C~+80°C		
	Ambient Humidity	45~85%RH (at -5~+40°C)		
	Degree of Protection	IP65(water/Oil proof) - IP40 for Key and Selector Switches		
	Contact Arrangement	SPDT (1C), DPDT (2C), 3P3T (3a+3b)		
	Contact Material	Ag Alloy (24K Gold tint)		
Rated Insulation Voltage	250VAC			
Rated Operating Current	5A MAX			
Contacts	Max. On/Off Voltage	250VAC, 110VDC		
		Resistance load (12VAC/DC) Induction load (13VAC/DC)		
	Rated Load	3A at 24VDC	0.7A at 24VDC	
		0.2A at 125VDC	0.15A at 125VDC	
		3A at 11-VAC	1A at 11VAC	
Max. Applicable Load	1.5A at 250VAC	0.7A at 250VAC		
	10mA 5VDC			
LED Lamp	Head Shapes / Colors	Round, Square, Rectangular/ Red, Green, Yellow, Blue, White		
	Rated Voltage	24VDC, 12VDC, 6VDC, 110VAC		
	Rated Current	15mA Approx.		
	Expected Life	50,000hrs		

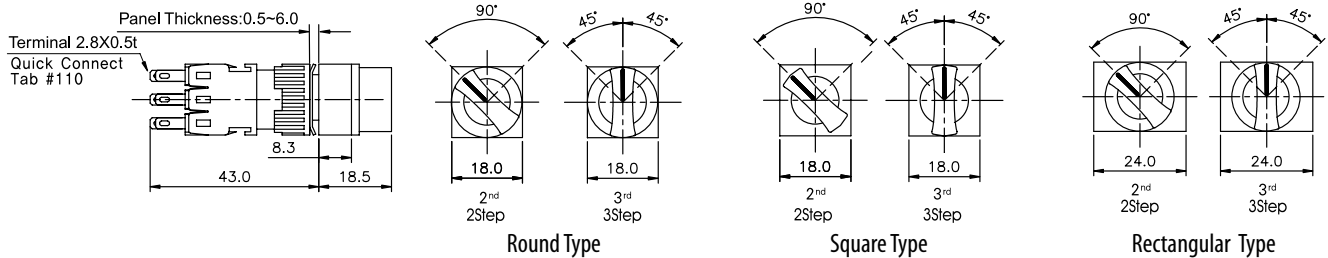
Dimensions Pilot Lamps



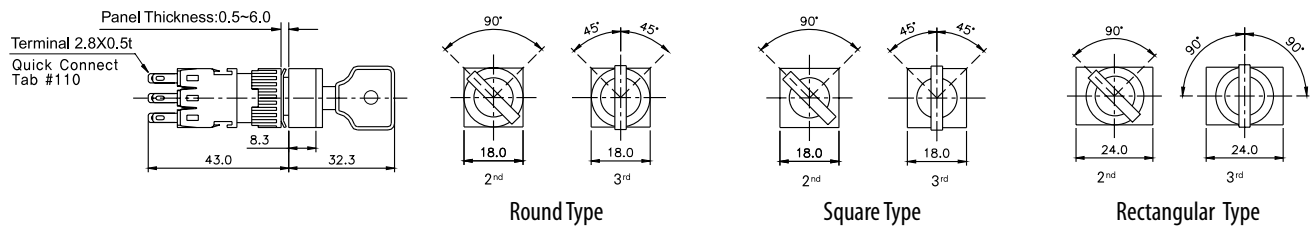
Push Buttons



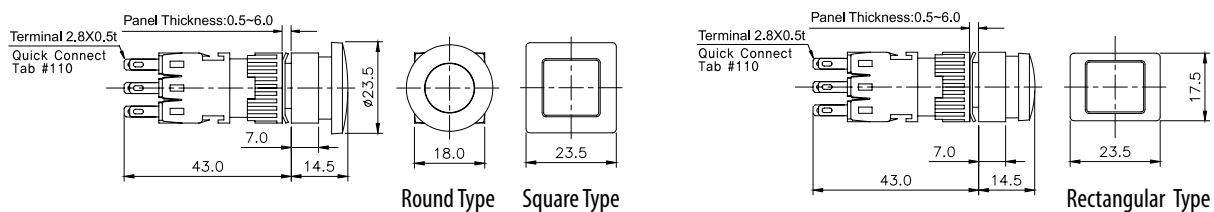
Selector Switches



Key Switches



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