



CONTROL UNIT FPB SERIES



FEATURES

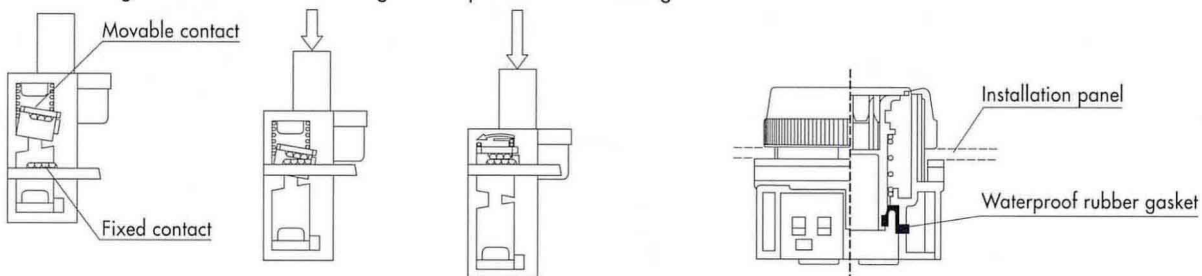
The protective structure is IP65(jet-proof type) and oil-proof type. Hence these switches can serve for a wide range of applications. The contact unit is attachable and detachable in one simple movement. Nut material: Metal or Plastic For Option

PUSH-BUTTON SWITCHES ILLUMINATING PUSH-BUTTON SWITCHES

Type	Appearance	Type	Appearance	Type	Appearance
Flat	FPB 	Extended(transformer)	ITSE 	Extended(direct)	IDSE
Extended	EPB 	Mushroom(transformer)	ITSM 	Mushroom(direct)	IDSM
Mushroom	MPB 	Knob Selector		Transformer type	
Push-lock mushroom type	LMB 	SELECTION SWITCHES		Direct type	PILOT LIGHT

CONTACT MECHANISM

Before contacting Start of contacting Completion of contacting



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PUSH BUTTON-SELECTOR SWITCHES-ILLUMINATING PUSH BUTTON SWITCHES

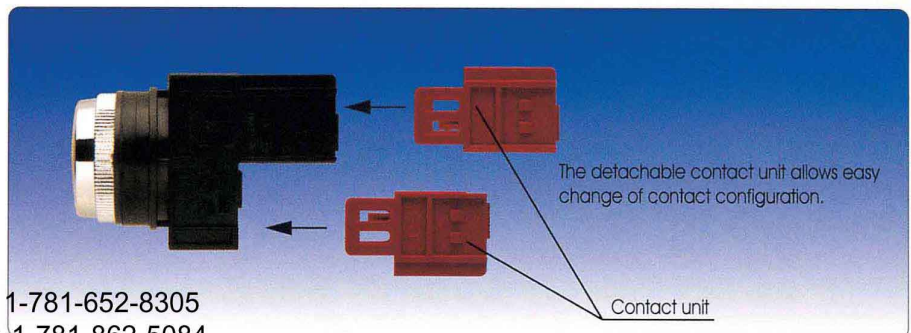
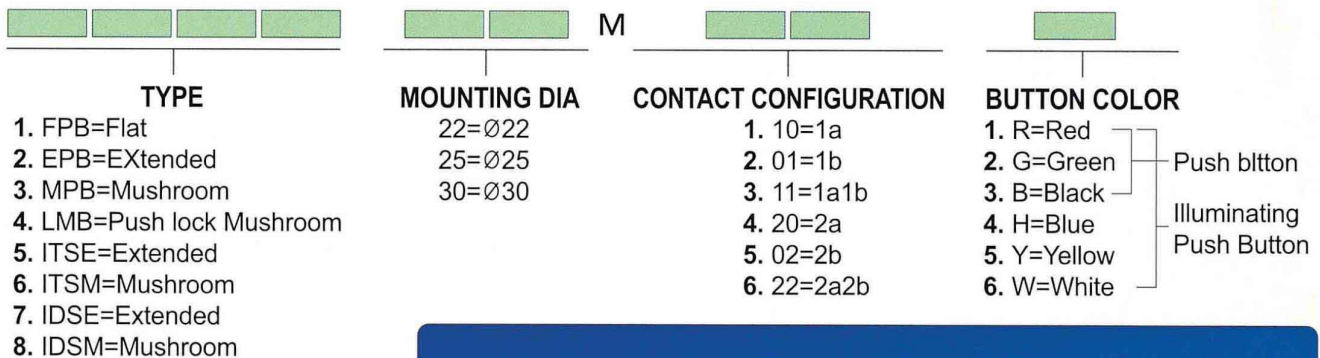
SPECIFICATIONS

ITEM	PUSH-BUTTON SWITCH, SELECTOR SWITCH	ILLUMINATING PUSH-BUTTON SWITCH
Protective structure	IP65 and oil-proof type	
Ambient temperature	-5~40°C	
Rated insulation voltage	AC, DC600V	AC, DC600V(full-voltage illuminator:AC, DC250V)
Rated supply current	10A	
Mechanical durability	Push-button switch, illuminating push-button switch:5 million times, Selector switch:1 million times	
Electrical durability	1 million times	
Frequency of operation	1800 times/hr	
Rated working voltage v	Rated working current A	
	AC	DC
	AC-15 class (inductive load)	DC-13 class (inductive load) DC-12 class (resistive load)
24	10	6 6
48	10	2 3
110	6	0.7 2
220	4	0.3 1
440	1.5	- -
		Transformer Type
		110V, 220V 50/60 Hz (ITS) E-10 FILAMENT BULB
		Direct Type
		6.3V, 110V, 220V(IDS)

The values and testing conditions in the table above are in compliance with JIS C4520(General Specification for Control Switches) and JIS C4521 (Control Button Switches).

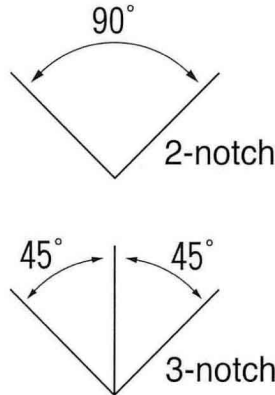
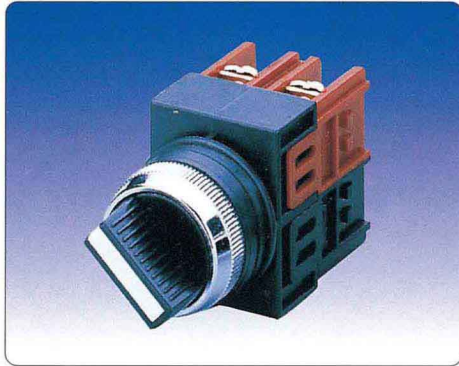
MODEL DESIGNATION

Push Button and illuminating Push Button Switch

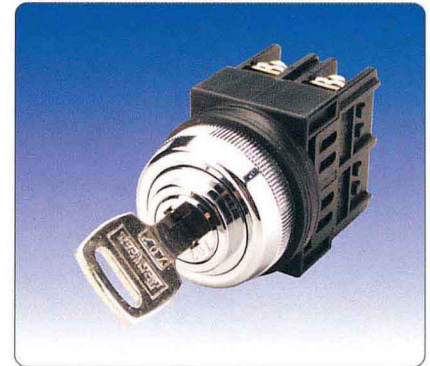


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SELECTOR SWITCHES



KEYLOCK SWITCH



MODEL DESIGNATION

TYPE	MOUNTING DIA	OPERATING SYSTEM	CONTACT CONFIGURATION
1. LKOS=Lever Selector 2. SKOS=Knob Selector 3. SKL=Keylock Switch	1. 22=Ø22 2. 25=Ø25 3. 30=Ø30	1. 2=2-notch 2. 3=3-notch	1. 10=1a 7. 30=3a 2. 01=1b 8. 03=3b 3. 11=1a1b 9. 33=3a3b 4. 20=2a 10. 40=4a 5. 02=2b 11. 04=4b 6. 22=2a2b 12. 44=4a4b

PILOT LIGHT

TP TYPE



• TRANSFORMER PILOT LIGHT
ACV : 110,220,380,440V
E-10 6.3V FILAMENT BULB

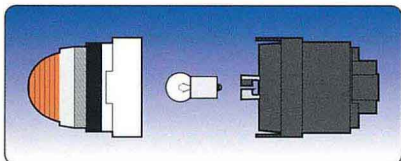
PILOT LIGHT

TRANSFORMER PILOT LIGHT
ACV: 110, 220, 380, 440
E-10 FILAMENT BULB



	Ø22	Ø25	Ø30
R	CA-22MR	CA-25MR	CA-30MR
G	CA-22MG	CA-25MG	CA-30MG
Y	CA-22MY	CA-25MY	CA-30MY
B	CA-22MB	CA-25MB	CA-30MB
W	CA-22MW	CA-25MW	CA-30MW

TP TYPE



ITEM NO.	MOUNTING DIA	COLOR
TP-22M	Ø22	G: GREEN R: RED
TP-25M	Ø25	Y: YELLOW B: BLUE
TP-30M	Ø30	W: WHITE



PILOT LIGHT
ACV:110, 220
E-10 NEON BULB

ITEM NO.	MOUNTING DIA	COLOR
CA22M-N	Ø22	RED:R YELLOW:Y BLUE:B GREEN:G WHITE:W
CA25M-N	Ø25	
CA30M-N	Ø30	