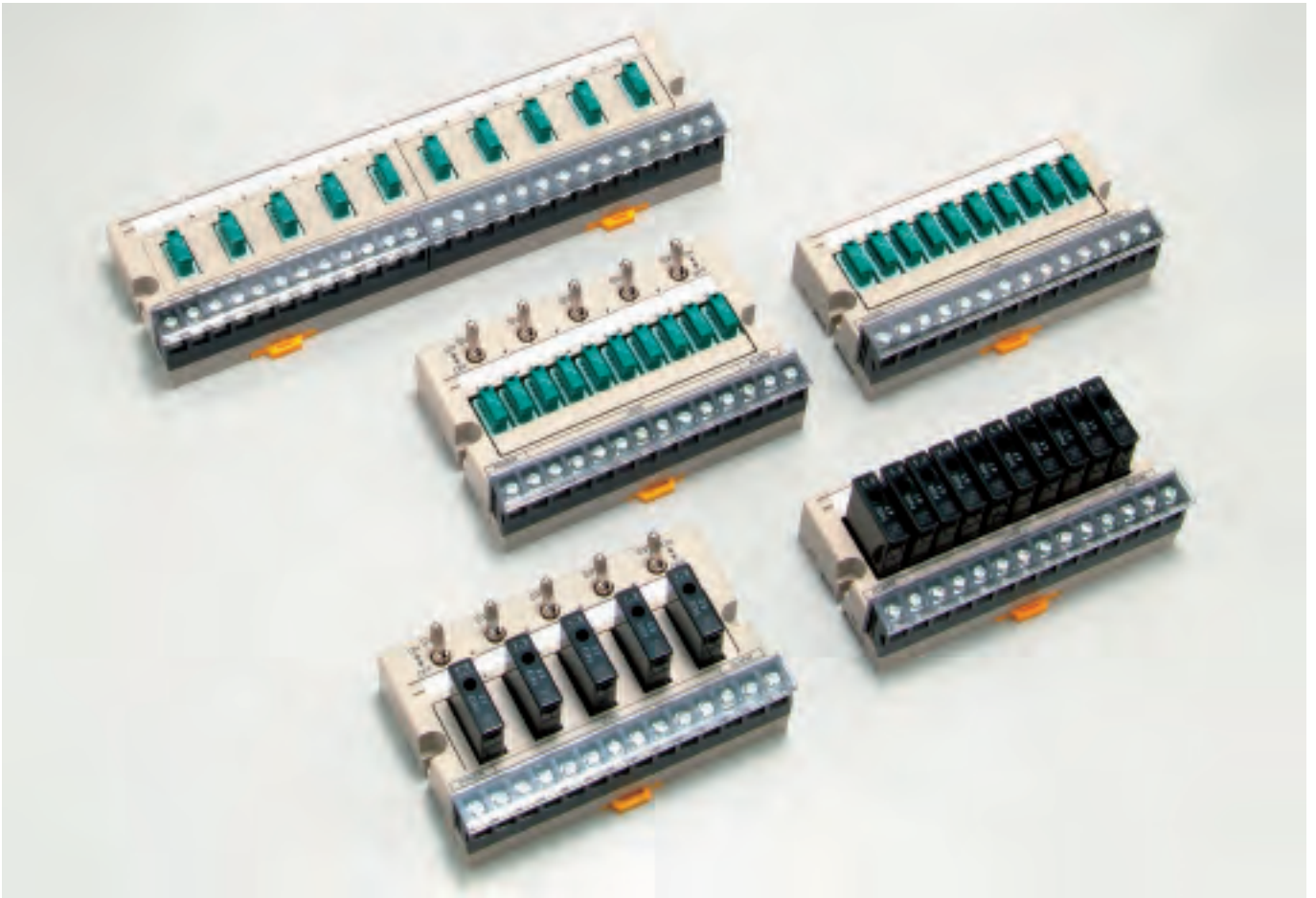


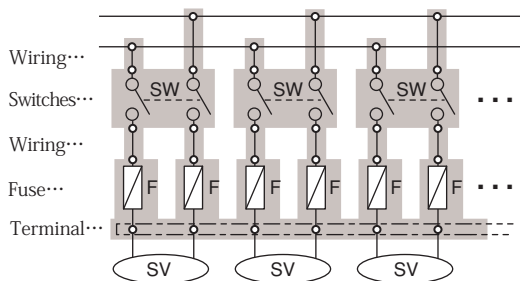


Fuse Terminal Box

FTB_{series}

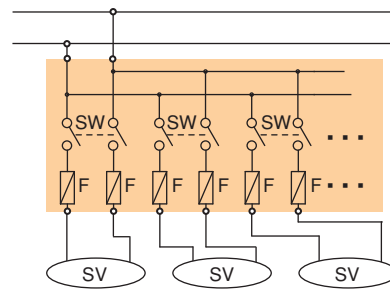
Features

- Fuses, switches, terminal blocks, and circuits are integrated into one unit, reducing space and labor costs.
- Alarm indicator for fuse blowouts.
- Spring-lifted terminal blocks prevent screws from dropping out.
- Mount on 35mm pitch DIN rail or the panel directly.



Conventional System

Needs a lot of space and field wiring.

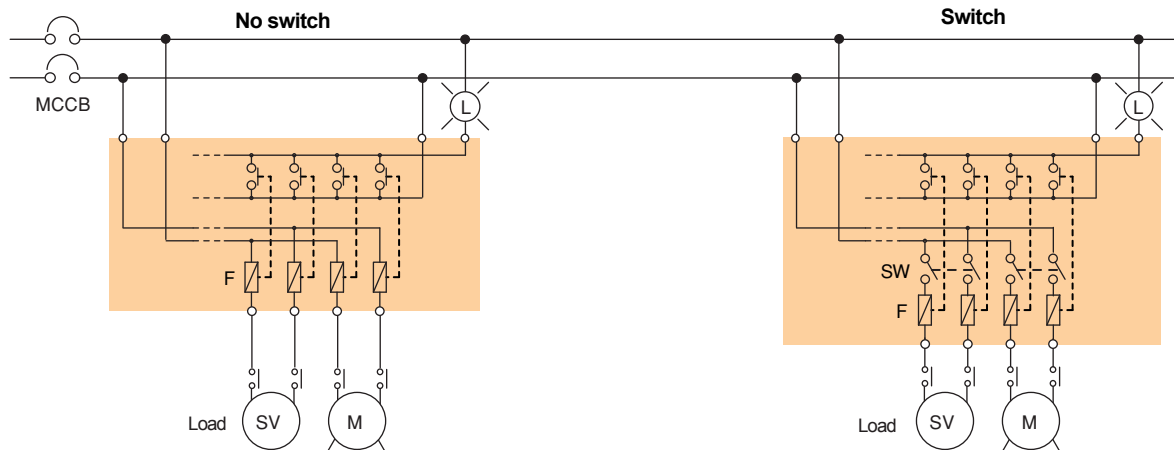


Fuse Terminal Box (FTB)

Saves space and eliminates field wiring.

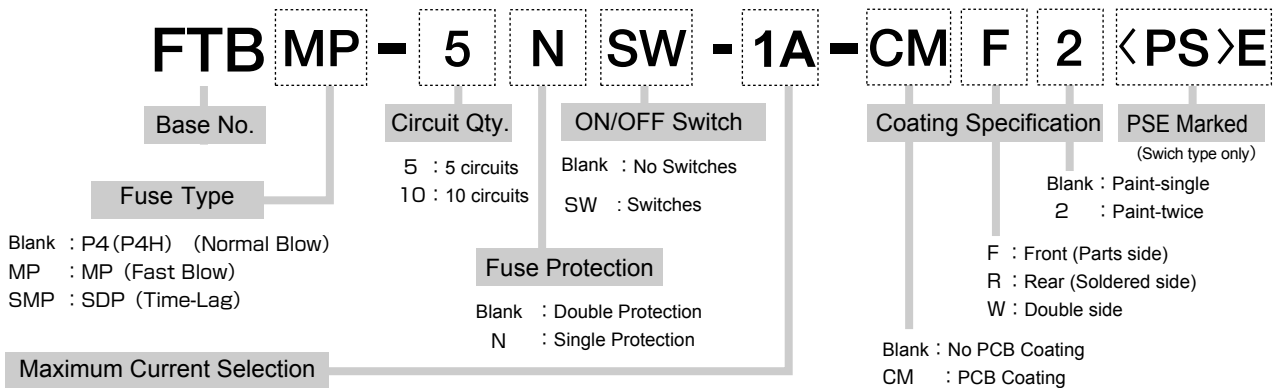
Example

Optimize the power source for branching and distribution of accessory and measurement tool.



System is protected by each circuit. Switch can open circuit by each contact.

Order Number



Please select from "Fuse Selection List" below.
Different fuses are available. Please indicate "SP" in the product number for short plugs.

Fuse Selection List

P4 / P4H Fuse (Normal blow): PSE marked

P / N	P403 P404H	P405 P405H	P413 P413H	P420 P420H	P430 P430H	P435 P435H	P450	SP
Maximum Current	0.3A(0.4A)	0.5A	1.3A	2A	3A	3.5A	5A	5A

MP Fuse (Fast blow) : PSE marked

P / N	MP032	MP05	MP063	MP10	MP16	MP20	MP32	SP
Maximum Current	0.32A	0.5A	0.63A	1A	1.6A	2A	3.2A	3.2A

SDP Fuse (Time-Lag) : PSE marked

P / N	SDP10	SDP16	SDP20	SDP32	SP
定格電流	1A	1.6A	2A	3.2A	3.2A

●5A fuse is only available for "No switch model".

●PSE Marked products are under than 3.5A.

Specifications

		FTB-5/10 FTB-5/10N	 FTB-5/10SW FTB5/10NSW	FTBMP/SMP-5/10 FTBMP/SMP-5/10N	 FTBMP/SMP-5/10SW FTBMP/SMP-5/10NSW
		AC·DC220V	AC220V/DC30V	AC·DC125V	AC125V/DC30V
Maximum Current	POWER	15A	15A	10A	10A
	LOAD	5A	DC30V:3.5A AC125V:3.5A AC220V:3A	3.2A	3.2A
	ALARM	3A	3A	0.5A	0.5A
Recommended Wire		Maximum 2 mm ² (recommended crimp terminal : R2-3.5) / Maximum of 2 crimp cables			
Tightening Torque		0.8~1.2N·m when using crimp terminal			
Withstand Voltage		AC2500V (50/60Hz) 1min (Between terminals and ground)			
		AC1000V (50/60Hz) 1min (P4/P4H:Alarm circuit)			
		AC 750V (50/60Hz) 1min (MP/SMP/SDP:Alarm circuit)			
Insulation Resistance		>1000MΩ DC500V Meggar Between terminals and ground			
Lightening Impulse		1.2/50μs,4000V (Between terminals and ground)			
Vibration Resistant		10~55Hz/Double amplitude 1.5mm			
Shock Resistant		491m/S ² >50G			
Ambient Temperature	Operating	-20~+55℃ -4~131F			
	Storage	-25~+70℃ -13~158F			
Relative Humidity		45~85%R.H.			
Mount Procedure		DIN Rail or Direct Mount			
Available Fuse (Short-plug)		P4 (P4H), MP, SDP series (Daito Communication Apparatus Co, Ltd)			
Intended Use		Embedded electric equipment			

Double Protection

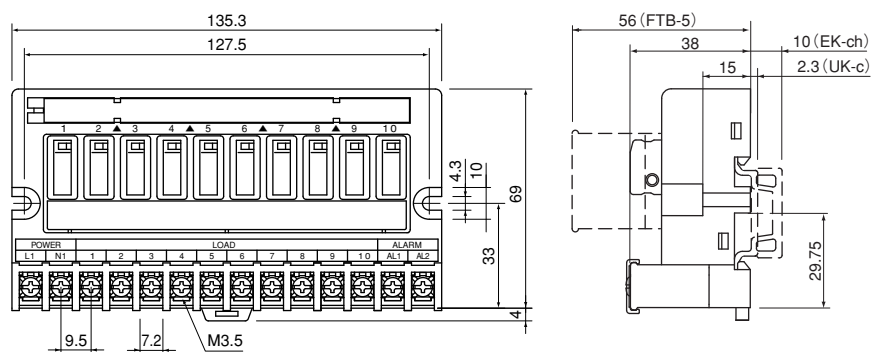
No Switch

< 5 circuits >

Diagram

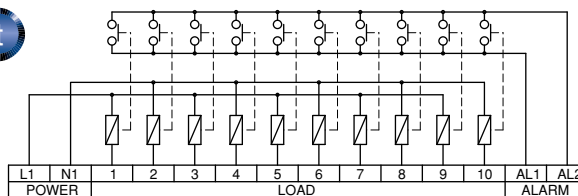


FTB-5



FTBMP-5 / FTBSMP-5

Circuit

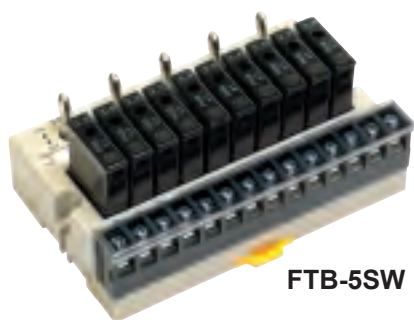


Double Protection

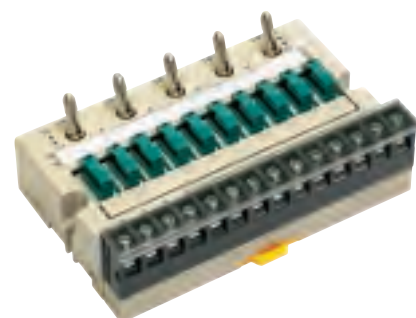
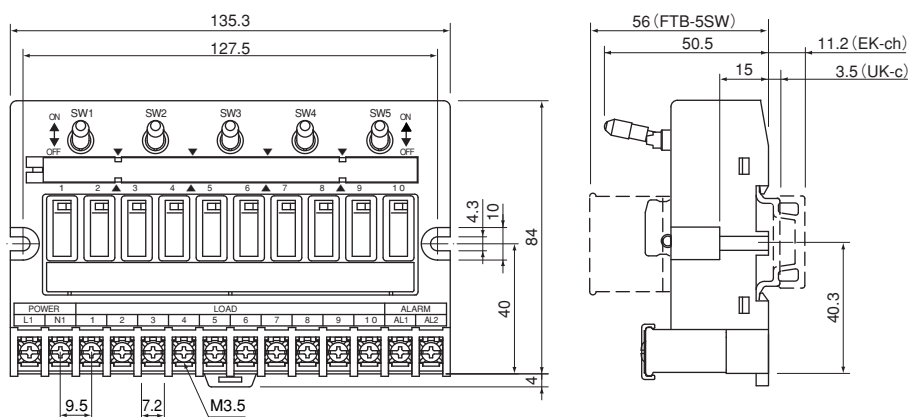
Switch

< 5 circuits >

Diagram

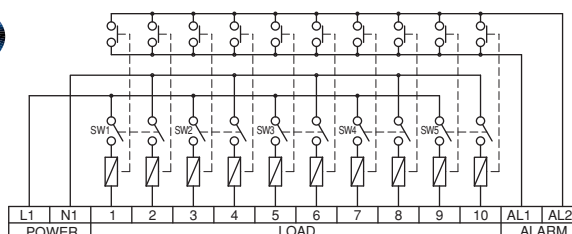


FTB-5SW

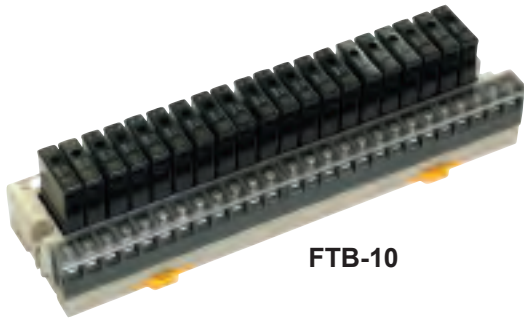


FTBMP-5SW / FTBSMP-5SW

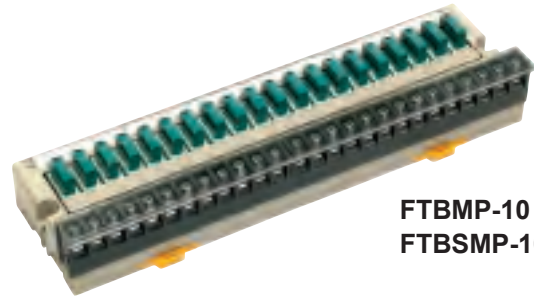
Circuit



< 10 circuits >

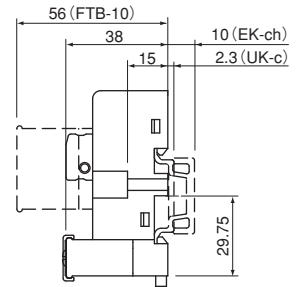
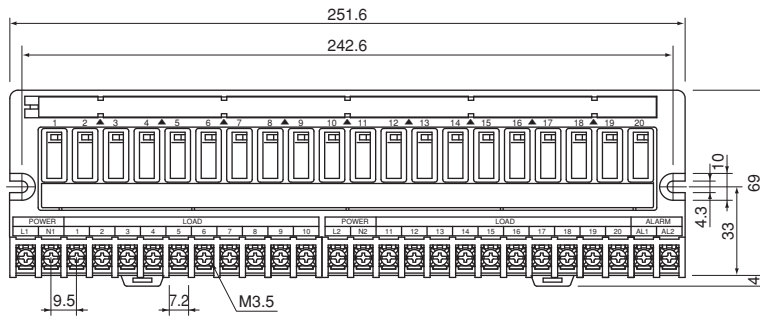


FTB-10

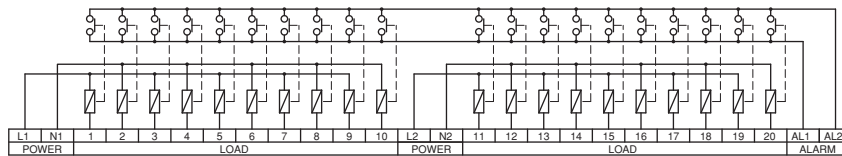


**FTBMP-10
FTBSMP-10**

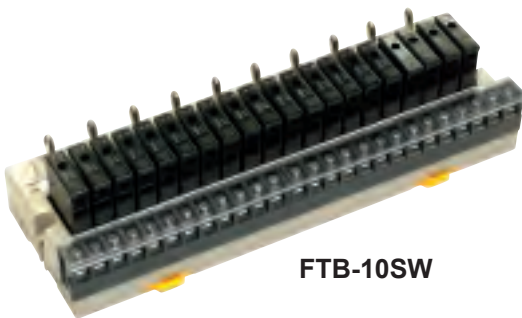
● Diagram



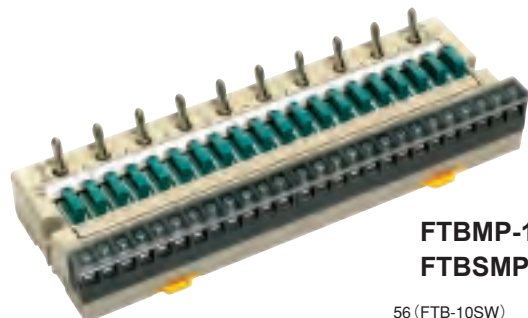
● Circuit



< 10 circuits >

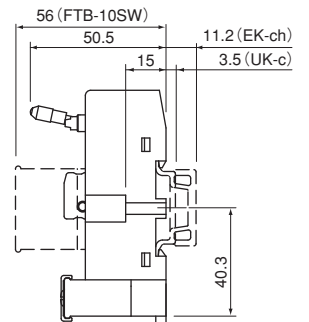
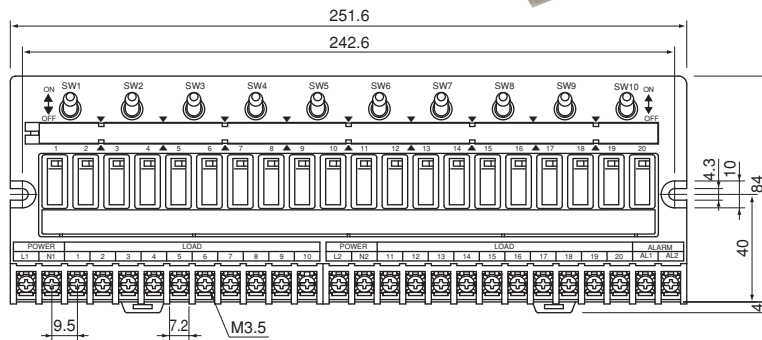


FTB-10SW

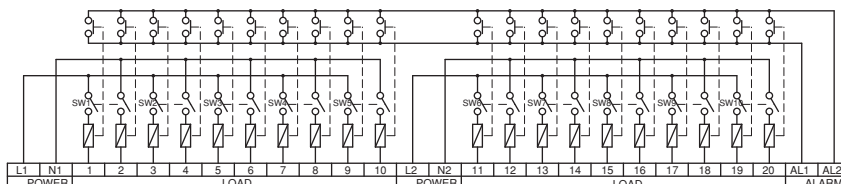


**FTBMP-10SW
FTBSMP-10SW**

● Diagram



● Circuit



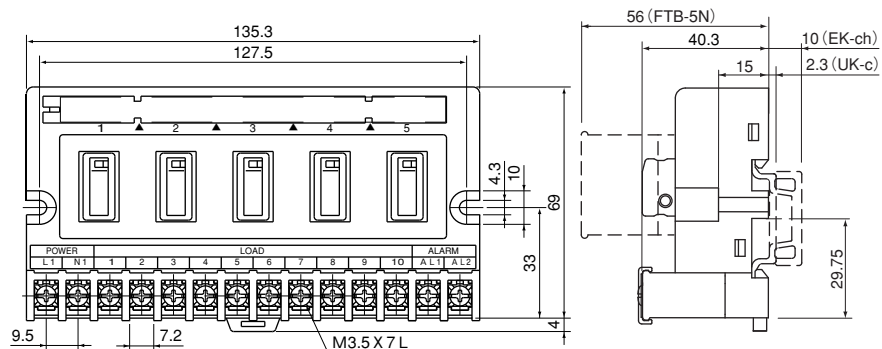
Single Protection No Switch

< 5 circuits >

Diagram



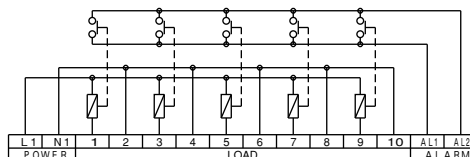
FTB-5N



Circuit



FTBMP-5N / FTBSMP-5N



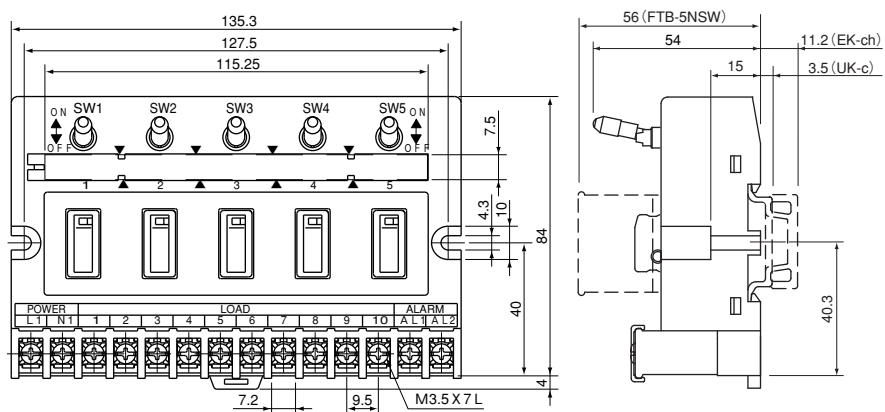
Single Protection Switch

< 5 circuits >

Diagram



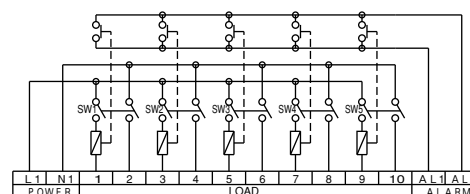
FTB-5NSW

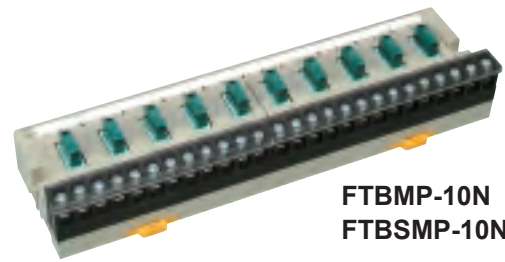


Circuit

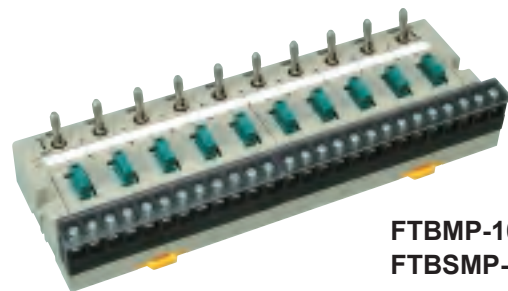
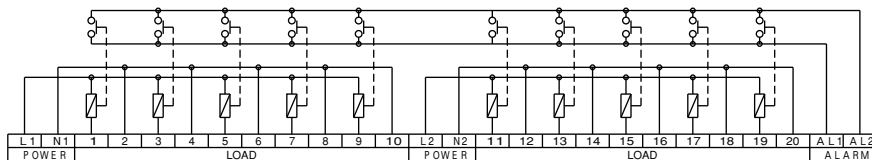
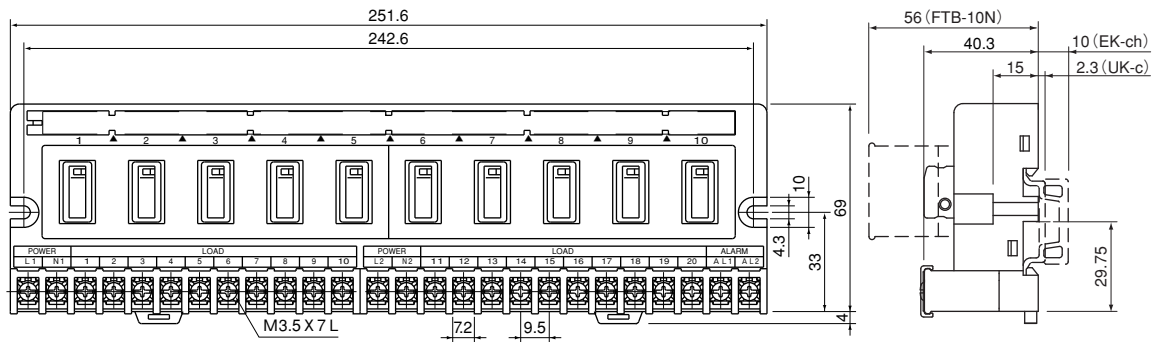


FTBMP-5NSW / FTBSMP-5NSW

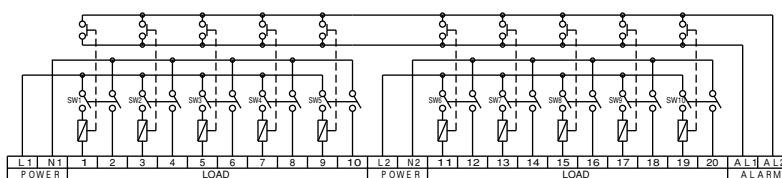
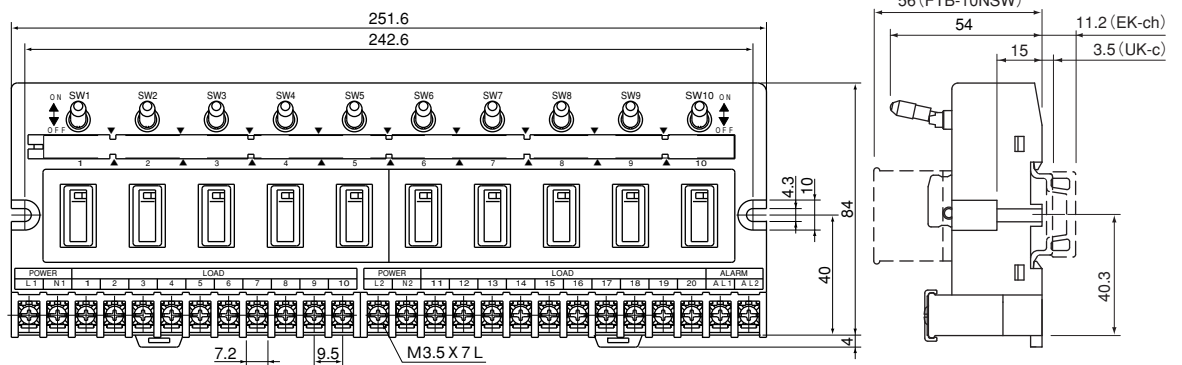




FTBMP-10N
FTBSMP-10N

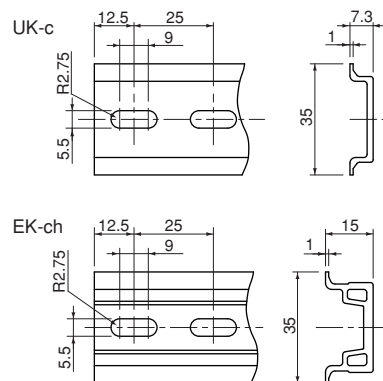


FTBMP-10NSW
FTBSMP-10NSW



Accessories

	P / N	Rail	Length (mm)	Packaging
Rail	UK-c	—	1000, 1500, 2000	10
	EK-ch	—	1000, 1500, 2000	10
End bracket	EK-b	UK-c, EK-ch	—	100
	UK-b	UK-c, EK-ch	—	100
Rail end cap	UK-ec	UK-c	—	50
	EK-ec	EK-ch	—	50
Name plate	KT-1e	—	—	100



KT-1e



UK-ec



EK-ec



UK-b



EK-b

Safety Precaution



- Please use appropriate current and voltage according to the manual.
- Our products were not designed or manufactured for use in devices or systems directly related to human life. Users who intend to use the product described in this manual for special purposes must contact Toho Technology Inc, beforehand.
- If this product is to be involved a life and death situation or in a facility where failure may cause a serious accident, safety devices MUST be installed to minimize the likelihood of any accident.
- When tightening terminal screws without wiring, the recommended tightening torque is lower than 0.4 N/m.
- Maximum wiring number for each screw is two.
- This products listed including the embedded parts of the electrical facilities are intended to industrial use only.

★ The products and specifications described in this manual or the content and presentation of the manual may be changed without notice to improve the product and/or the manual.



Toho Technology

www.tohotechnology.com

Toho Technology Inc.

4809 North Ravenswood Avenue, 113 Suite, Chicago, Illinois 60625 Tel: 773.583.7183