

Drawing No.	Rev.	Page
SF08-M1JN-W18	F	1 / 5

SPECIFICATIONS

[1.General Specifications]

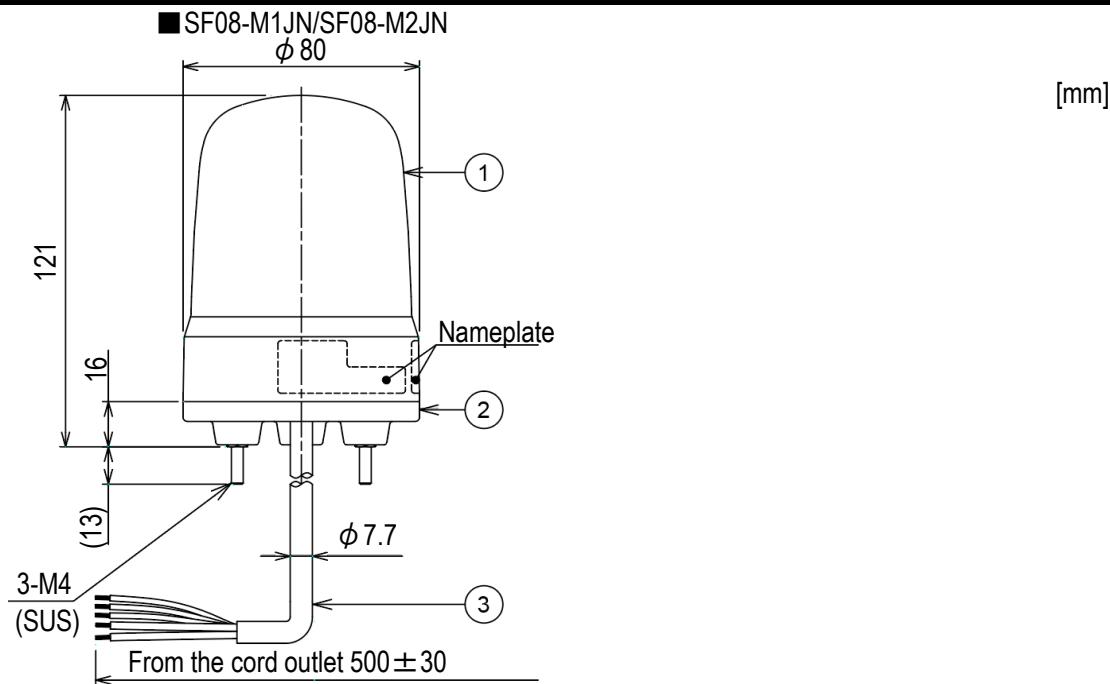
Product Name			Multi-function Beacons			
Model			SF08-M1□□□-□		SF08-M2□□□-□	
Rated Voltage			12-24V DC		100-240V AC (50/60Hz)	
Operating Voltage Range			10-30V DC		90-250V AC	
Rated Current Consumption	Max.	No Buzzer	12V DC 0.62A	24V DC 0.32A	100V AC 0.19A	240V AC 0.08A
		With Buzzer	0.64A	0.34A	0.20A	
Rated Power Consumption	Max.	No Buzzer	7.4W	7.7W	8.5W	
		With Buzzer	7.7W	8.2W	8.8W	
Operating Ambient Temperature			-20℃ to +50℃			
Operating Ambient Humidity			Less than 90 % (No condensation)			
Storage Ambient Temperature			-30℃ to +60℃			
Storage Ambient Humidity			Less than 90 % (No condensation)			
Mounting Location			Indoor/Outdoor			
Mounting Direction			Indoor : Upright, Inverted & Sideways Outdoor : Upright			
Protection Rating			SF08-M□JN	IP23		
				IP65(when used with SZW-102 Rubber Gasket attachment)		
			SF08-M□KT□	IP66/NEMA TYPE 4X,13		
Environmental Condition			Upright			
Insulation Resistance			More than 1MΩ at 500V DC between live part and non-current carrying metallic part		More than 3MΩ at 500V DC between live part and non-current carrying metallic part	
Withstand Voltage			500V AC applied for 1min between live part and non-current carrying metallic part without breaking insulation		4,000V AC applied for 1min between live part and non-current carrying metallic part without breaking insulation	
Mass (Typ.)			SF08-M1JN	0.27kg	SF08-M2JN	0.3kg
			SF08-M1KTN	0.24kg	SF08-M2KTN	0.27kg
			SF08-M1KTB	0.25kg	SF08-M2KTB	0.28kg
Sound Pressure Level (Typ.)			86dB			
Environmental Condition			Measured at 1m from the front of the Buzzer Opening			
Rotation Flashing Rate(Typ.)			180 rpm[High Speed], 120 rpm[Middle Speed], 60 rpm[Low Speed]			
Flashing Rate(Typ.)			Single-flash(60 flashes per minute), Double-flash(90 flashes per minute)			
			Triple-flash(120 flashes per minute), Pulse pattern(20 flashes per minute)			
Conformity Standards	UL		UL508, CSA-C22.2 No.14 (UL File No.E215660)			
	EMC Directive		EN61000-6-4 EN61000-6-2		EN61000-6-4, EN61000-6-2 EN61000-3-2, EN61000-3-3	
	KC		KN61000-6-4, KN61000-6-2			
	FCC		FCC Part15 SubpartB ClassA, ICES-003 ClassA			
	RoHS Directive		EN IEC 63000			
	Low Voltage Directive				IEC/EN60947-5-1,EN62471	
	EAC		TPTC020/2011		TPTC020/2011, TPTC004/2011	
			UL, Low Voltage Directive, and EAC have been evaluated for use in indoor industrial control equipment.			
Remarks			Due to the characteristics of the LED elements, there may be a slight variation in color tone and brightness between products.			

Drawing No.	Rev.	Page
SF08-M1JN-W18	F	2 / 5

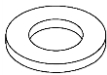
[2.Model Number Configuration]

S F 0 8 -	M 1 K T B	- R
■ Rated Voltage M1 : 12-24V DC M2 : 100-240V AC	■ Installation・Wiring・Buzzer JN : 3-screw Mounting ・ Cabtyre Cord ・ No Buzzer KTN : 2-point Hole Type Mounting ・ Terminal Block ・ No Buzzer KTB : 2-point Hole Type Mounting ・ Terminal Block ・ With Buzzer	■ LED Unit Color R : Red Y : Amber G : Green B : Blue

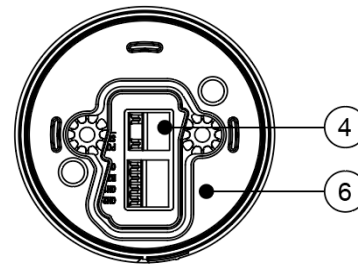
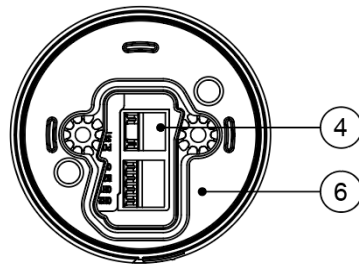
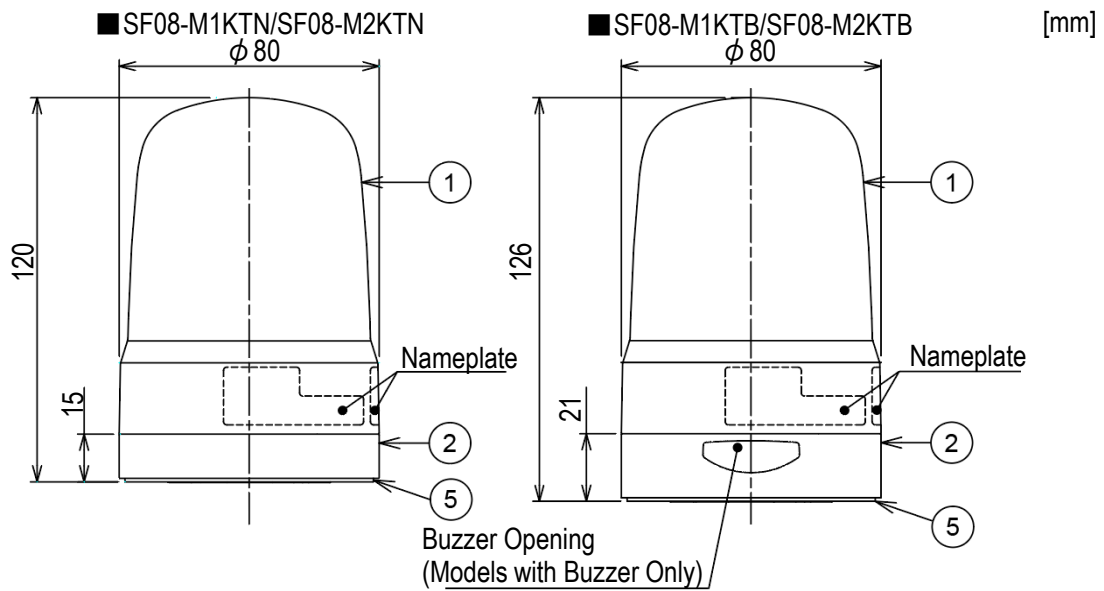
[3.Outer Dimensions]



・Maximum Board Thickness : 9

Accessory(Only SF08-M□JN)	
Plain Washer(M4) SUS  3 pcs.	Nut(M4) SUS  3 pcs.

[3.Outer Dimensions]



Screw Hole Thickness of Mounting Bracket	Nominal Diameter
4.4	M4

Number	Name	Material · Specification
1	Globe	PC
2	Case	PC
3	Cable Cord	UL2464, PVC, M1JN : AWG22×5, M2JN : AWG18×2+AWG24×3
4	Terminal Block	LCP GF, Applicable Wire Size Solid Wire : 0.13-1.5mm ² , Stranded Wire : AWG28-14
5	Mounting Bracket	PC
6	Waterproof Sheet	Silicone

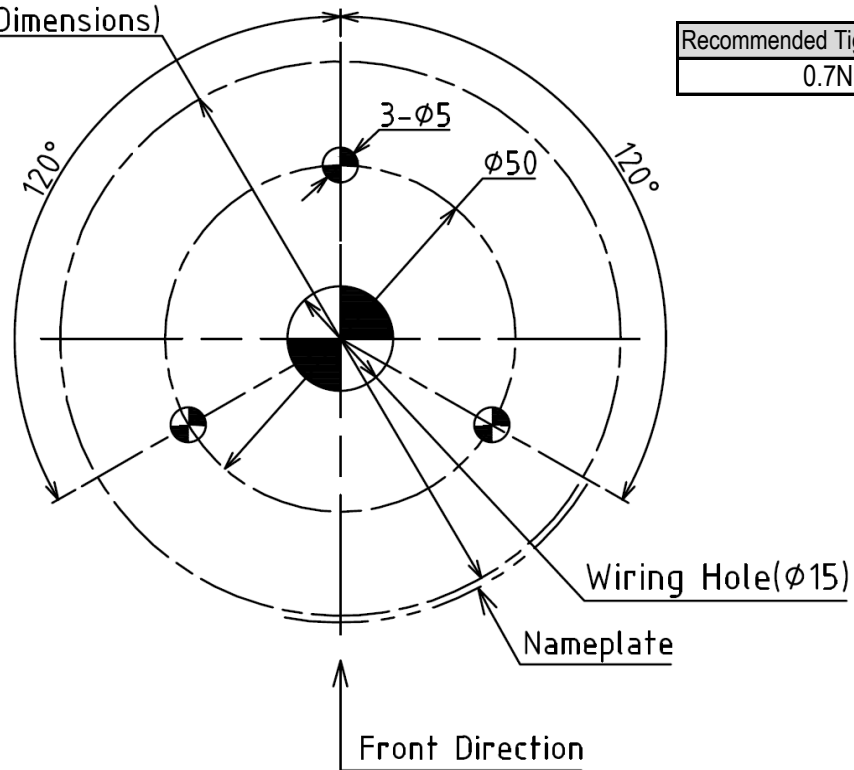
Drawing No.	Rev.	Page
SF08-M1JN-W18	F	4 / 5

[4.Mounting Dimensional Drawing]

[mm]

■ SF08-M1JN/SF08-M2JN

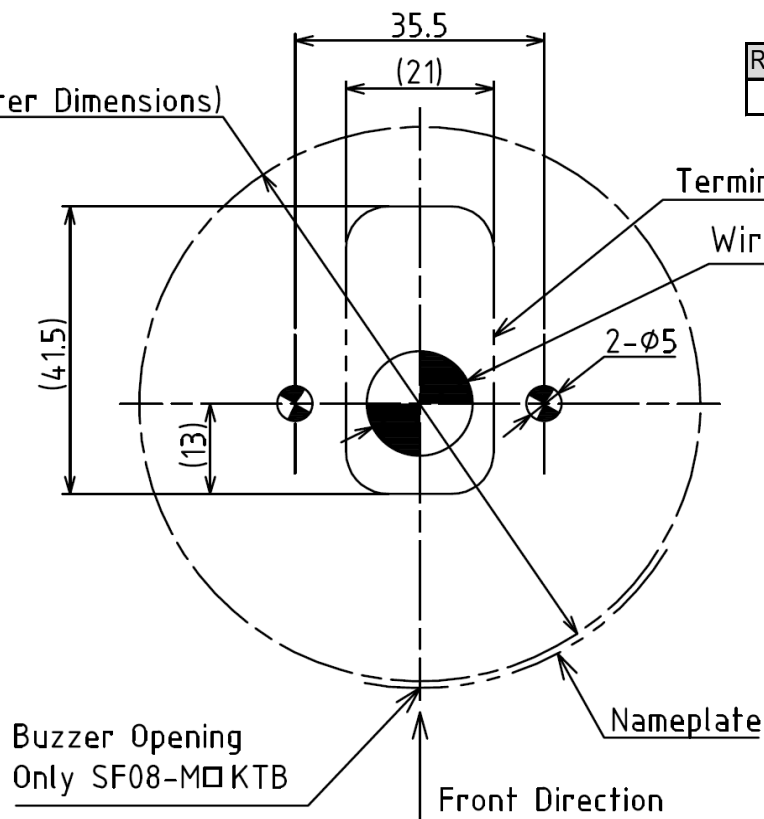
$\phi 80$ (Outer Dimensions)



Recommended Tightening Torque
0.7N·m

■ SF08-M1KT□/SF08-M2KT□

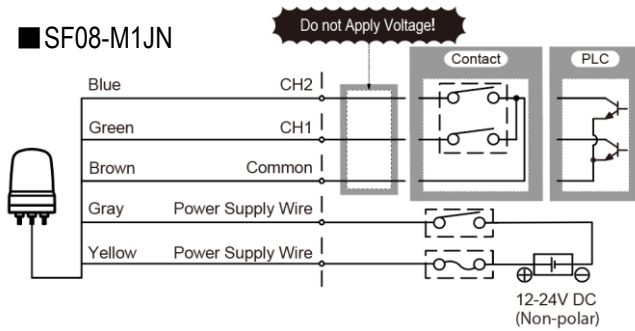
$\phi 80$ (Outer Dimensions)



Recommended Tightening Torque
0.7N·m

[5.Wiring Example]

SF08-M1JN

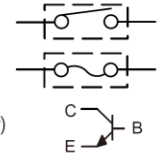


Symbol

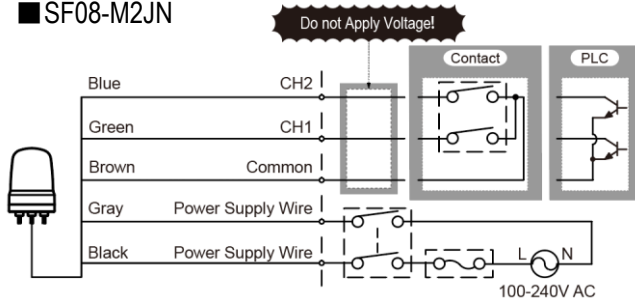
Contact

Fuse

PLC (NPN Transistor)



SF08-M2JN



【External contact capacity of power supply line】

	M1	M2
Current Capacity (Is)	3A or more	1A or more

【External contact capacity of signal line and buzzer line】※1

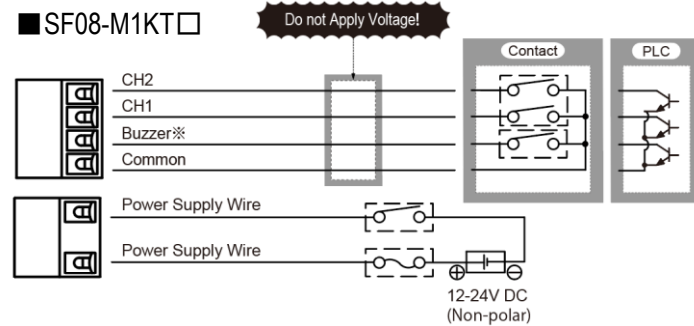
	M1	M2
Current Capacity (Is)	10mA or more	10mA or more
Withstand Voltage (Vs)	20V or more	20V or more
Leakage Current (IL)	0.1mA or less	0.1mA or less

※1 When using NPN transistor open collector.

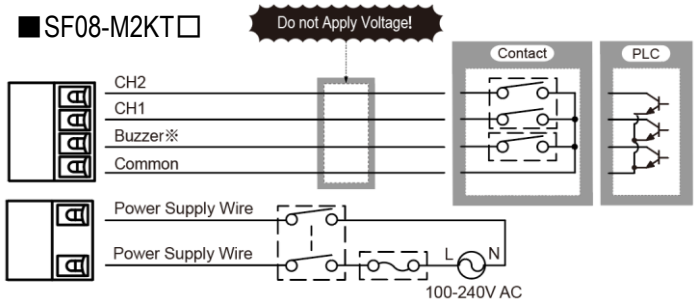
【Fuse】

Fuse Rating	250V 1A
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SF08-M1KT□



SF08-M2KT□



※For No Buzzer Models,
do not require wiring.

Flash Pattern List

Rotary switch	Wiring	CH1	CH2	CH1	CH2	CH1	CH2	CH1	CH2
		OFF	OFF	ON	OFF	OFF	ON	ON	ON
0		Off		Rotating(120 rpm)		Triple-flash		Rotating(120 rpm)	
1		Off		Rotating(180 rpm)		Triple-flash		Rotating(180 rpm)	
2		Off		Triple-flash		Pulse pattern		Triple-flash	
3		Off		Rotating(60 rpm)		Rotating(120 rpm)		Rotating(180 rpm)	
4		Off		Single-flash		Double-flash		Triple-flash	
5		Triple-flash		Triple-flash		Triple-flash		Triple-flash	
6		Pulse pattern		Pulse pattern		Pulse pattern		Pulse pattern	
7		Rotating(60 rpm)		Rotating(60 rpm)		Rotating(60 rpm)		Rotating(60 rpm)	
8		Rotating(120 rpm)		Rotating(120 rpm)		Rotating(120 rpm)		Rotating(120 rpm)	
9		Rotating(180 rpm)		Rotating(180 rpm)		Rotating(180 rpm)		Rotating(180 rpm)	

= Dimmed

= Half-side emitted

The rotary switch is set to 0 when shipped from the factory.