Heavy-Duty Signal Lights/Beacons for Heavy Duty Signalings
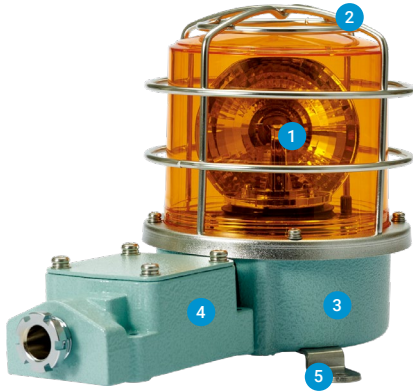
SH1 / SH2 Series

Superior durability with fully enclosed structure and corrosion resistance, suitable for vessels and heavy industry applications

PRODUCT SPECIFICATION

SH1 Series | SH2 Series

Materials Lens-PC, Housing-Al, STS316L(SH1-SUS)
Protection cage-STS316L, Reflector-PC,
Reflector for bulb type-Heat resistant ABS, Bracket-STS316L
Protection rating IP66
Housing standard color MUNSELL No. 7.5BG 7/2
Cable entry 1/2" PF

- Aluminum housing and polycarbonate lens material provides excellent impact resistance under seismic conditions
- STS housing provides superior durability and corrosion resistance(SH1-SUS)
- Excellent hermetic structure that blocks water and dust
- Can select a variety of light sources (Bulb, LED, and xenon) for your application needs and environmental conditions
- Terminals located inside the terminal box or product

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1 Lenses
· Utilizes a strong and durable polycarbonate material with excellent shock and vibration resistance
· The lens surface has two types depending on the light source function-Light diffusion type and light transmission type

Light transmission type	LED revolving type Bulb revolving type SH( )LR	SH( )
Light diffusion type	LED steady/flashing type xenon lamp strobe type SH( )L	SH( )S

2 Protection cage
· The durable protection cage is made of corrosion resistant stainless steel that prevents damage to the lens from external contact
· Materials: STS316L

4 Terminal box
· Terminal box is located on the side of housing for easy wiring
· Materials: Al

3 Housing
· The special aluminum body housing features superior durability
· STS housing provides superior durability and corrosion resistance(SH1-SUS)
· The housing is corrosion resistant from a special anodized surface treatment process
· Materials: Al, STS316L(SH1-SUS)

5 Brackets
· Stainless steel mounting bracket is conveniently attached to the outer surface of the product
· Materials: STS316L

A Variety of Selectable Light Source and Function Combinations

You can select from a variety of light sources for your work environment, condition, and purpose. Basic specifications are as follows.
· LED revolving type
· LED steady/flashing type
· xenon lamp strobe type
· Bulb revolving type

Customization

· LED Strobe type
· LED revolving type

Product Categories

Standard type	· Protection cage or terminal box not attached · Terminals located inside the housing · Use in environments that has low probability of damage to the lens due to external forces · SH1/SH2 Series is available in this model
Built-in terminal box	· Equipped with a terminal box for easy wiring · Use in environments that has low probability of damage to the lens due to external forces · SH1T( )/ SH2T( ) is available in this model
Protection cage mounted type	· Equipped with a Protection cage · Terminals located inside the housing · Use in environments that has low probability of damage to the lens due to external forces · SH1( )P/SH2( )P is available in this model
Terminal box and protection cage mounted type	· Equipped with a protection cage and a terminal box · Terminal box enables easy wiring · Damage to the lens from external forces can be prevented with protection cage · SH1T( )P/ SH2T( )P is available in this model

SH1 / SH2

IP66

+50°C
-20°C

PRODUCT SPECIFICATION

SH1 ㅣ SH2

Materials Lens-PC, Housing-Al, STS316L(SH1-SUS)
Protection cage-STS316L, Reflector-Heat resistant ABS
Bracket-STS316L
Ambient operating temperature -20°C to +50°C
Protection rating IP66
Housing standard color MUNSELL No. 7.5BG 7/2
Cable entry 1/2" PF
Revolving speed 120-140RPM

- Excellent light diffusion effect with multi faced reflector
- Adopts a special power transmission system that reduces noise and wear
- STS housing provides superior durability and corrosion resistance(SH1-SUS, SH1P-SUS)

SH1

SH2T

SH1 Bulb Revolving Beacons

Model number		Voltage	Current	Bulb			Certificates	Color
				Spec	Standard	Parts no		
SH1	Standard type	DC12V	1.55A	12V15W	G23 15S	17	CCS	● R-Red
SH1-SUS	Standard type							● A-Amber
SH1P	Protection cage type	DC24V	850mA	24V15W	G23 15S	18		● G-Green
SH1P-SUS	Protection cage type						CE	● B-Blue
SH1T	Terminal box type	AC110V	200mA	12V15W	G23 15S	17		
SH1TP	Protection cage and terminal box type	AC220V	100mA	12V15W	G23 15S	17		

※ CE compliant: DC24V, CCS(SH1 / SH1P only)

SH2 Bulb Revolving Beacons

Model number		Voltage	Current	Bulb			Certificates	Color
				Spec	Standard	Parts no		
SH2	Standard type	DC12V	1.55A	12V15W	G23 15S	17		● R-Red
SH2P	Protection cage type	DC24V	850mA	24V15W	G23 15S	18	CE	● A-Amber
SH2T	Terminal box type	AC110V	200mA	12V15W	G23 15S	17		● G-Green
SH2TP	Protection cage and terminal box type	AC220V	100mA	12V15W	G23 15S	17		● B-Blue

※ CE compliant: DC24V

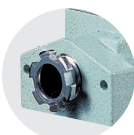### SH1 | SH2 Bulb Revolving Beacons Specification Category and Products Weight Chart

Type	SH1 Series		SH2 Series	
Lens diameter	Φ125mm		Φ150mm	
Standard		SH1 (1.61kg)		SH2 (1.77kg)
		SH1-SUS (2.05kg)		
Built-in protection cage		SH1P (1.86kg)		SH2P (2.06kg)
		SH1P-SUS (2.30kg)		
Built-in terminal box		SH1T (2.07kg)		SH2T (2.23kg)
Built-in protection cage &Terminal box		SH1TP (2.32kg)		SH2TP (2.52kg)

※ Product weight is based on AC type.

Ordering Specification

SH1T	-	220	-	R	-	SUS
[Model number]		[Voltage]		[Color]		[Housing materials]

[Model number]
SH1 / SH1P

SH1T / SH1TP
SH2 / SH2P
SH2T / SH2TP

[Voltage]
12-DC12V
24-DC24V
110-AC110V
220-AC220V

[Color]
● R-Red
● A-Amber
● G-Green
● B-Blue

[Housing materials]
None - Al
SUS - STS316L

SH1/SH2 models are equipped with flexible connector, and SH1T/SH2T models are equipped with 15C nipple at cable entry.
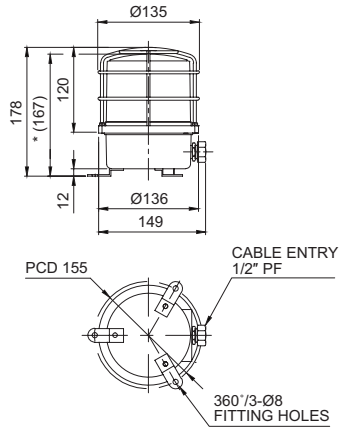
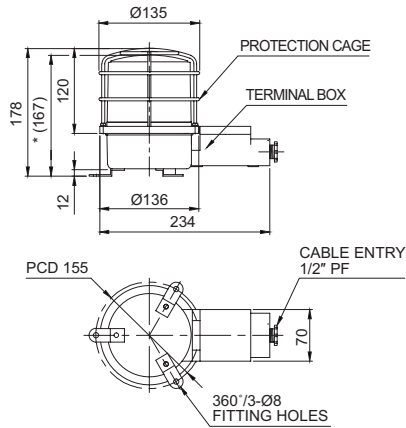Flexible connector   15C nipple

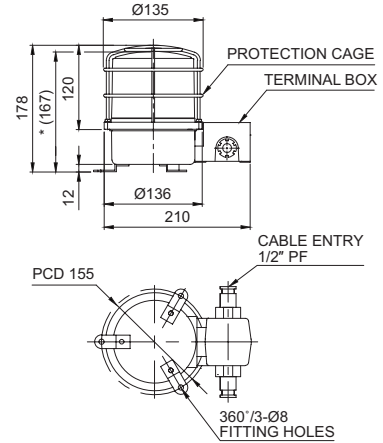# SH1 / SH2 Series

Technical Diagram

Units: mm

·SH1LRP(-SUS) / SH1LP(-SUS) / SH1SP(-SUS) / SH1P(-SUS)
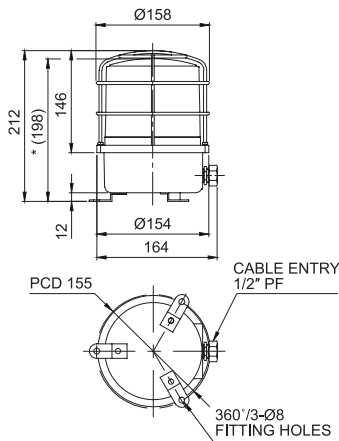

·SH1TLRP / SH1TLP / SH1TSP / SH1TP

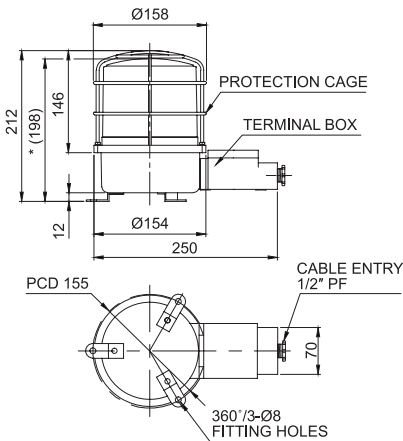·SH1LR-2TP / SH1L-2TP / SH1S-2TP / SH1-2TP (Cable entry 2EA type)

※ *(167) represents SH1LR(-SUS)/ SH1L(-SUS)/SH1S(-SUS)/ SH1(-SUS), SH1TLR/ SH1TL/ SH1TS/ SH1T size without protection cage.
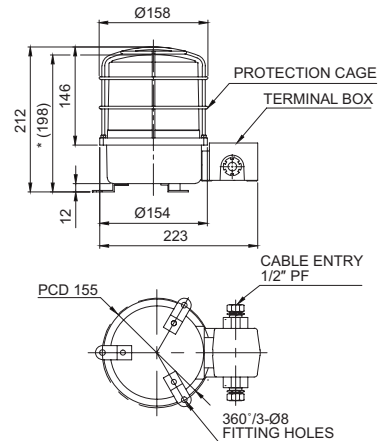
·SH2LRP / SH2LP / SH2SP / SH2P

·SH2TLRP / SH2TLP / SH2TSP / SH2TP

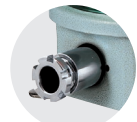·SH2LR-2TP / SH2L-2TP / SH2S-2TP / SH2-2TP (Cable entry 2EA type)

※ *(198) represents SH2 Series size without protection cage.

Wiring Instructions

· SH1(-SUS), SH1LR(-SUS), SH2, SH2LR : Black output line is negative(-).

Customization

· 3/4" PF Cable entry
  Standard cable entry is 1/2" PF, 3/4" PF is customization

· Built-in cable gland type
  Flexible connector is equipped to the standard cable entry

· Brass housing product
  Color will be MUNSELL No. 7.5BG 7/2 when released.

· 2T type has 2 cable entries in the terminal box
  2 cable entries terminal box is a customized add-on.

Built-in cable gland

Brass housing product

2 cable entries terminal box model