

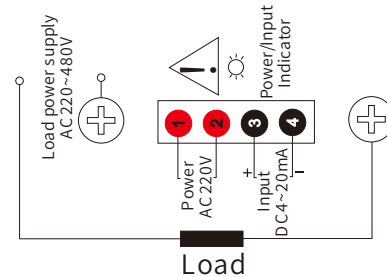
Thank you for purchasing our company's single-phase linear module. This manual mainly explains some precautions for installation and wiring. Before operation, please read this to fully understand the usage of this product. Please keep this manual for easy reference.

01

1. Terminal Wiring Diagram



4~20mA Current signal input



Note: The input method has been set at the factory and cannot be changed by the customer.

2. Panel Indicators and Instructions

Name	Color	Function	Fault description
POW Power/Input Indicator	Red	Power indicator Input indicator	Steady On: Only control board is powered. Flashing: Duty cycle increases with the input signal. Off: Malfunction - unit requires service.

3. Model identification

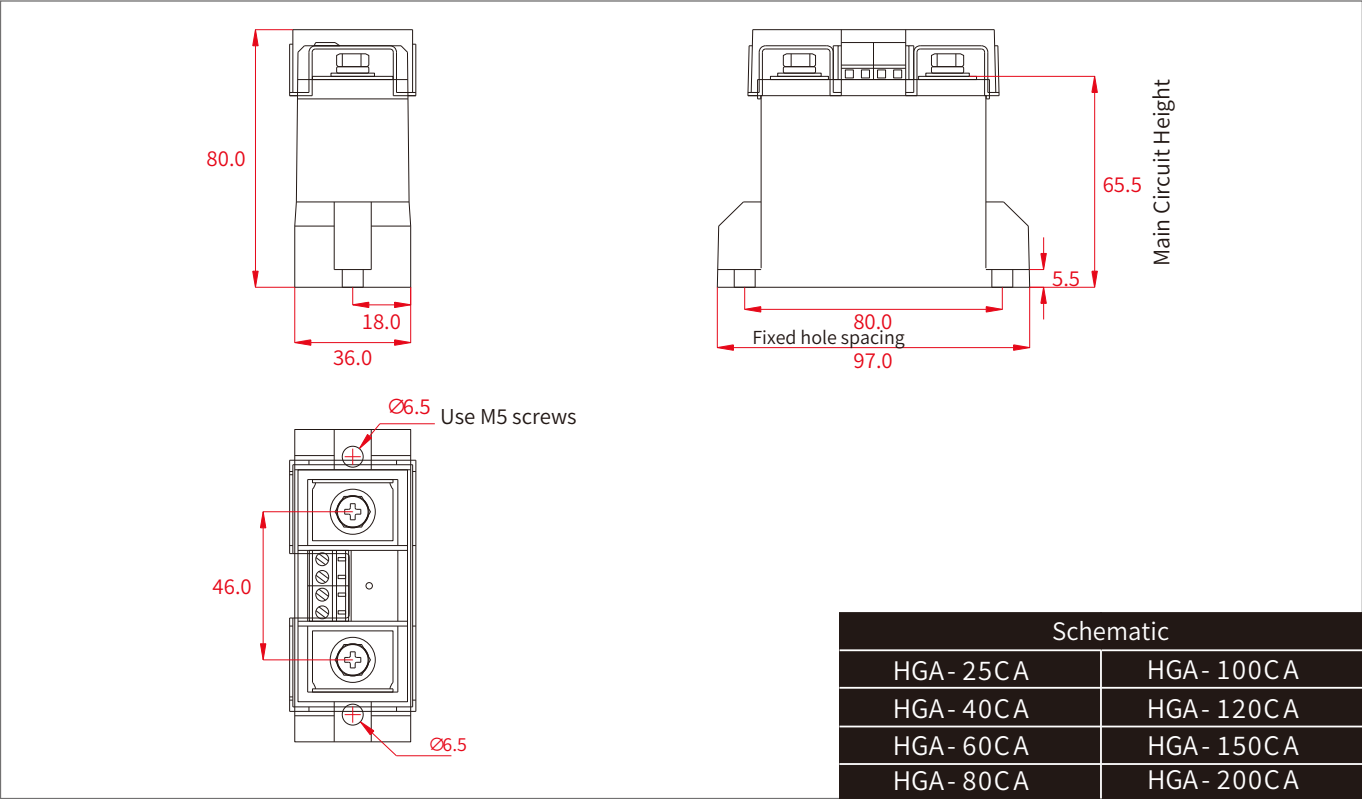
Series	Code	electric current	Code	electric current	Code	Control power supply	Code	Load power supply	Code	Radiator Selection	Code	Fan selection	Code
HGA	Single-phase linear module	25A	25	100A	100	DC 4~20mA	C	AC 40~480V	A	No radiator	None	No fan	None
		40A	40	120A	120					Standard radiator	S	9225 fan	F
		60A	60	150A	150					Extended radiator	3S		
		80A	80	200A	200								

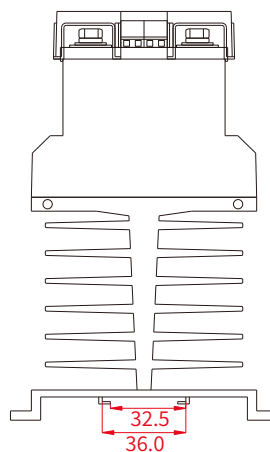
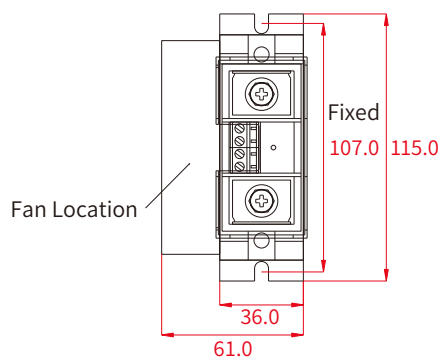
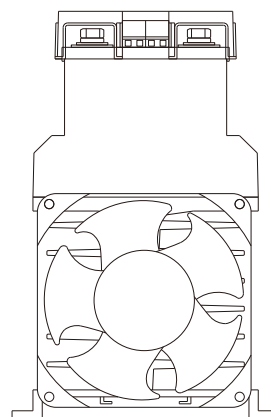
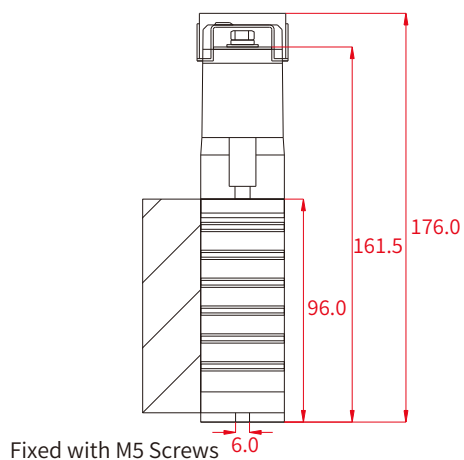
* Note: The 3S heat sink can accommodate three HGA - **CA linear modules.
The model number is HGA- **CA *3+3S.

4. Specifications

Model	HGA-25CA HGA-40CA	HGA-60CA HGA-80CA	HGA-100CA HGA-120CA	HGA-150CA HGA-200CA
Repetitive peak off-state current	0. 5mA			
On- state peak voltage	1. 5V max			
Maintaining current	20~70mA			
dv/dt	500V /us			
Zero-crossing voltage	±15V (PEAK)			
Switching current	20us (max)			
Insulation resistance	1000MΩ /500V dc			
Insulation voltage	>2000V			
Action status	Highlight red LED			
Ingress protection	IP67			
Dimension	For details, please refer to the dimension chart.			

5.Terminal Wiring Diagram





DIN rail mountable, rail width 34~36mm
Side View Without Fan

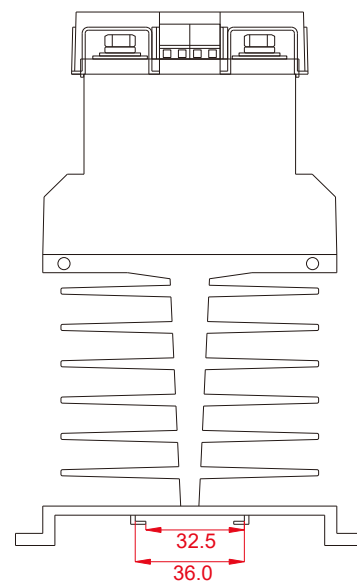
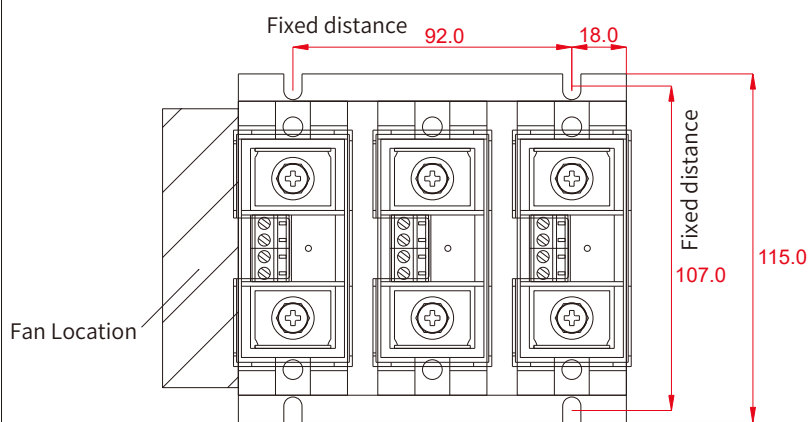
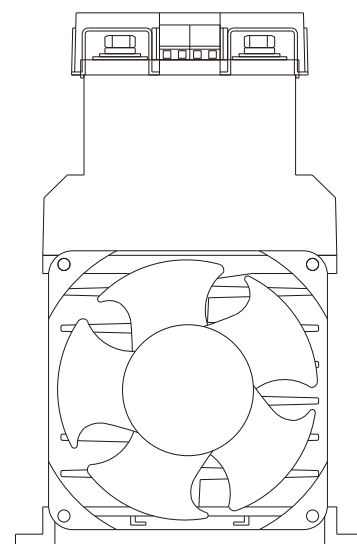
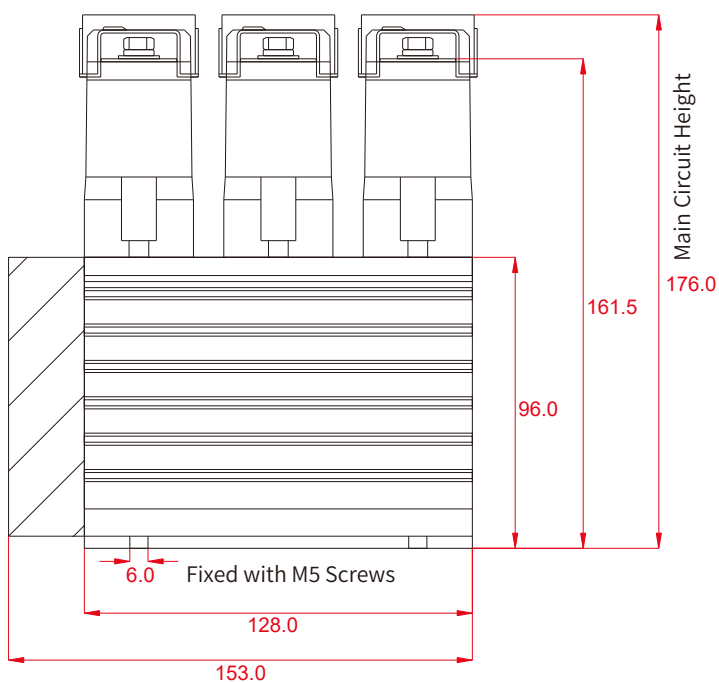
Schematic

Model: HGA- **CA+S+F

Description: HGA Single-phase Linear Module equipped with a heat sink and a 9225 fan.

Heat Sink Dimensions: L:115 , W:36, H:96

Fan Power Supply: AC220V



DIN rail mountable, rail width 34~36mm
Side View Without Fan

Schematic

Model: HGA-**CA*3+3S+F

Description: Three HGA Single-phase Linear Modules equipped with one common heat sink and a 9225 fan.

Heat Sink Dimensions: L:115, W:128, H:96

Fan Power Supply: AC220V