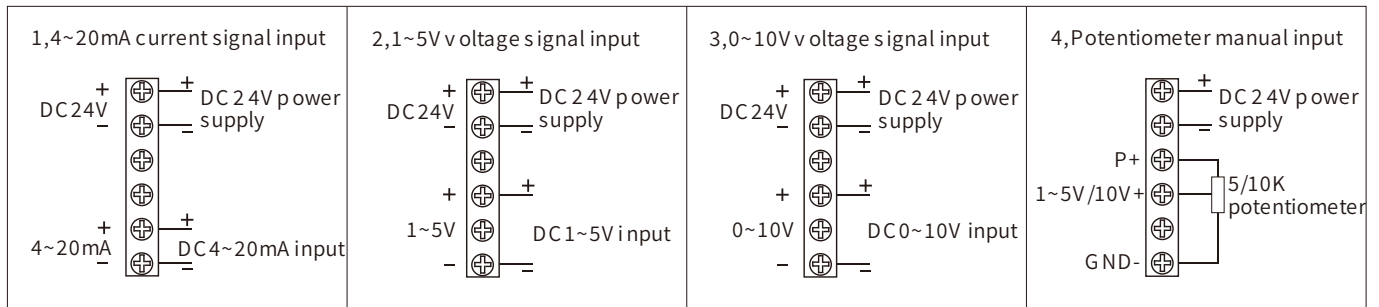


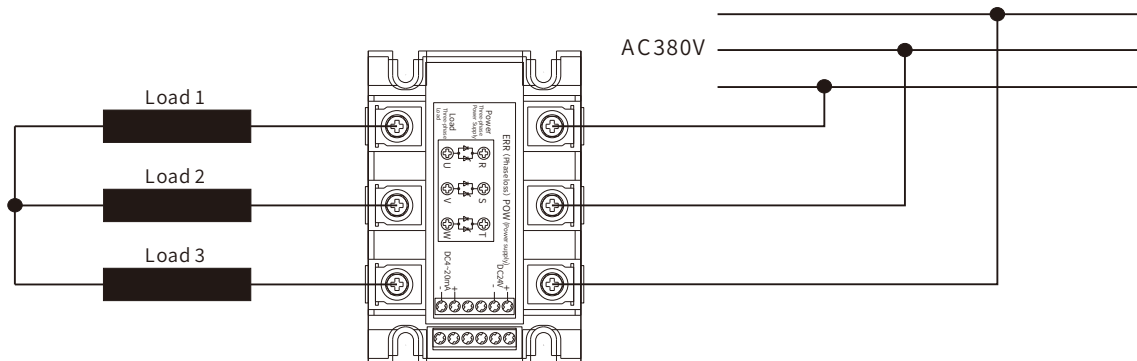
Thank you for purchasing the three-phase linear module from our company. This manual mainly explains some precautions to be observed during installation and wiring. Please read this manual before operation to fully understand the usage of this product. Keep this manual for future reference.

01

1. Terminal Wiring Diagram



Note: Each input method has been preset at the factory, and customers cannot make changes on their own.



Note: The load can be connected in star or delta configuration, the neutral point of the star connection must not be connected to the neutral line.

2. Panel Indicators and Instructions

Name	Color	Function	Fault description
POW Power indicator	red	PCB control board Power indicator	Light on: normal working condition; light off: power supply failure, control board not working.
ERR Phase Loss Indicator	red	Phase failure alarm indicator	Light on: Phase loss alarm occurs, check whether there is a problem with the three-phase power supply or the circuit breaker and contactor on the power input line. Light off: Normal working status.

3. Specifications

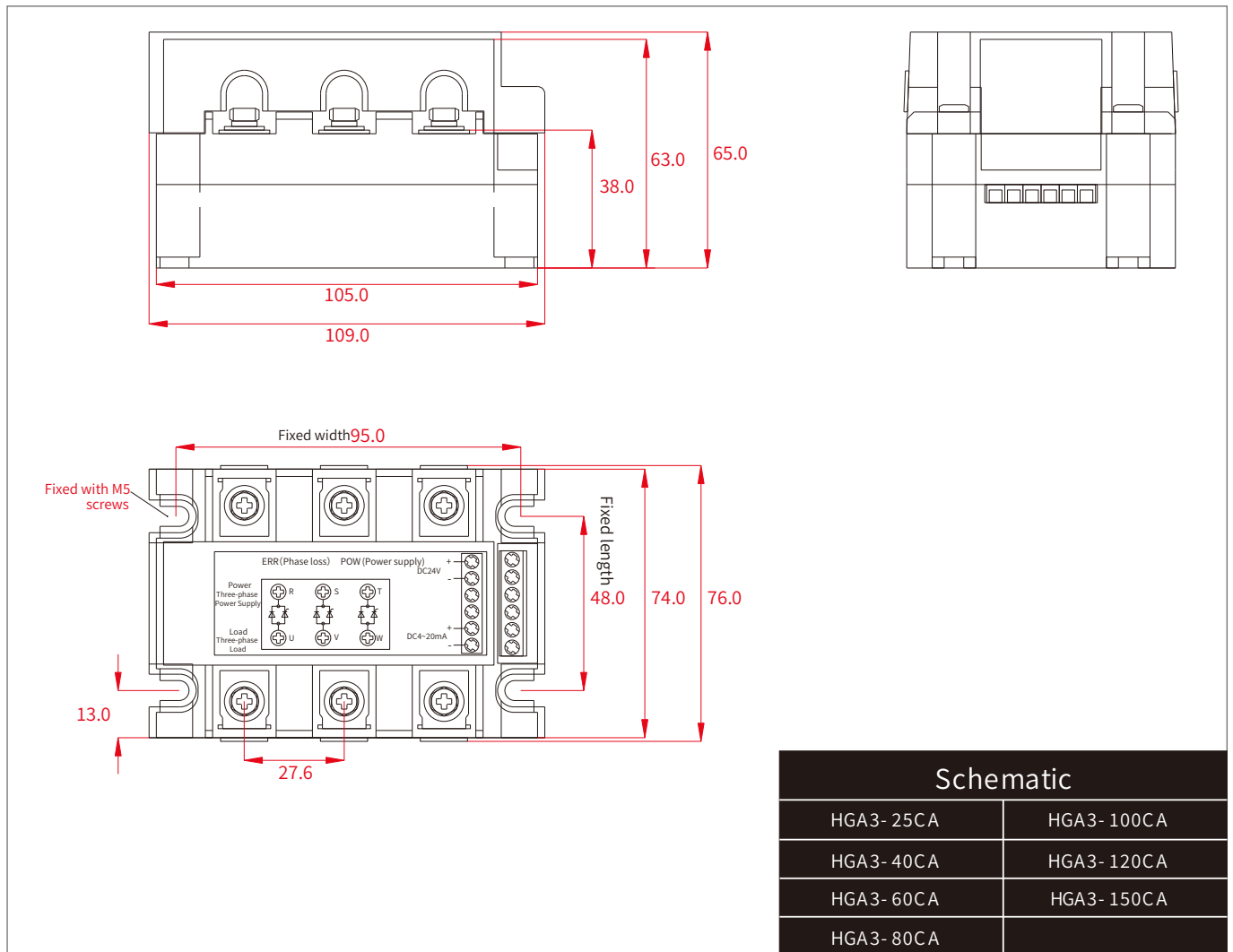
Model	HGA3-25CA HGA3-40CA HGA3-60CA HGA3-80CA	HGA3-100CA HGA3-120CA HGA3-150CA
Control power supply	DC 24V	
Control power supply current	15~50mA	
Control power supply minimum pulse width	500us	
Repetitive peak off-state current	0.5mA	
On-state peak voltage	1.5~5V max	
Maintaining current	20~70mA	

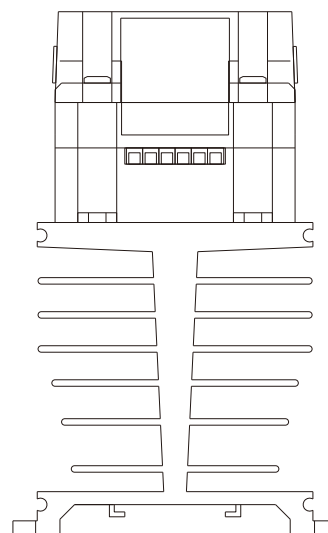
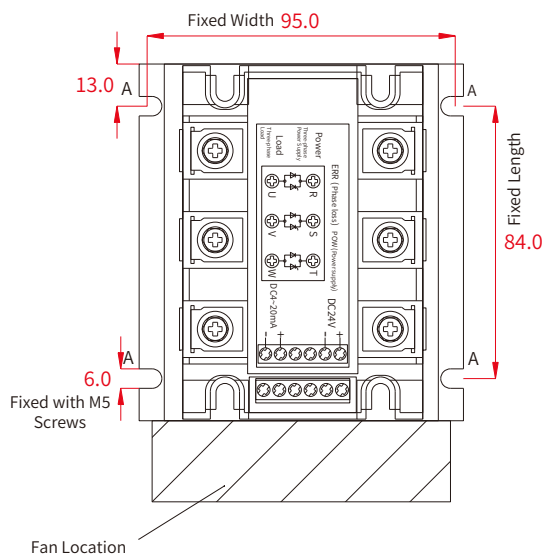
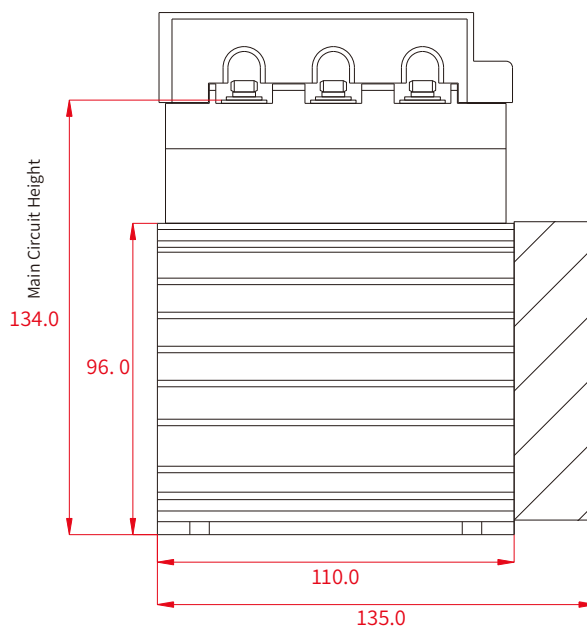
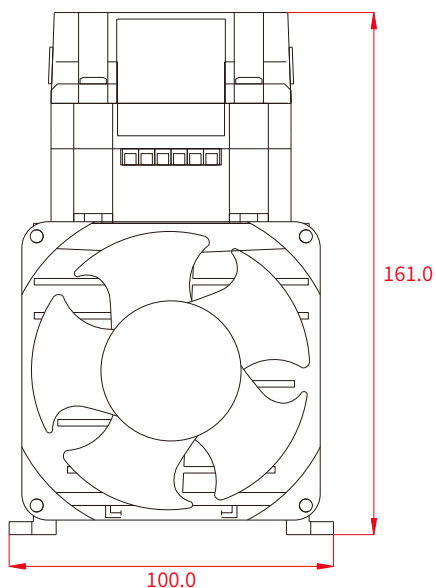
dv/dt	500V/us
Zero-crossing voltage	±15V (PEAK)
Switching current	20us (max)
Insulation resistance	1000MΩ/500Vdc
Insulation voltage	>2000V
Action status	Highlight red LED
Ingress protection	IP67
Dimension	For details, please refer to the dimension chart.

4. Model identification

Series		Code		electric current		Code		Control signal		Code		Load power supply		Code		Radiator selection		Code		Fan selection		Code	
HGA3		Three-phase linear module		25A	25	100A	100	DC4~20mA		C		AC180~440V		A		No radiator		None		No fan		None	
				40A	40	120A	120	DC1~5V		5V						Standard radiator		S		9225 fan		F	
				60A	60	150A	150	DC0~10V		10V						Extended radiator		SL		8025 fan		F1	
				80A	80			VRpotentiometer		R						Compact radiator		S1					

5. Dimension





Front View Without Fan

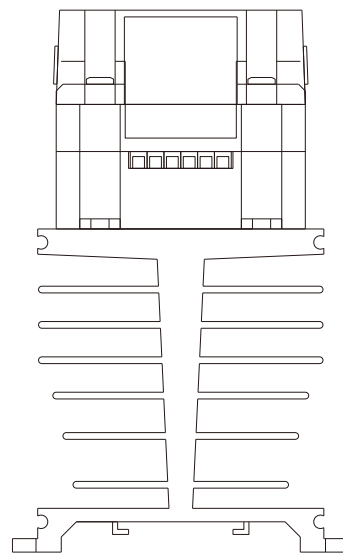
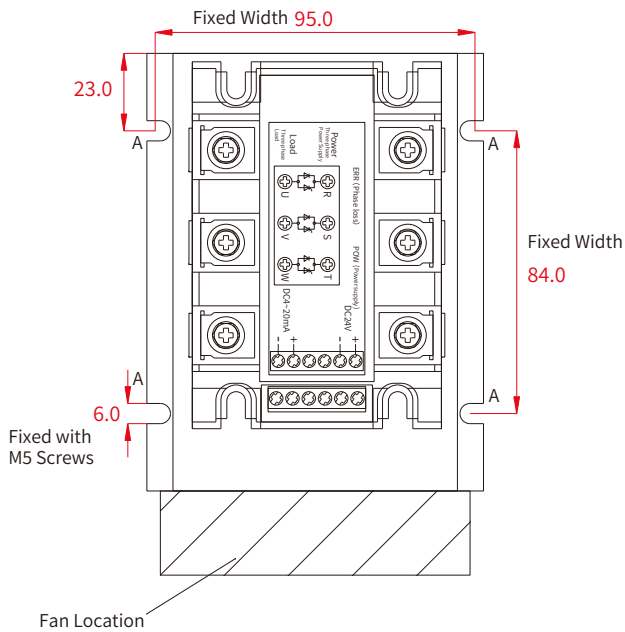
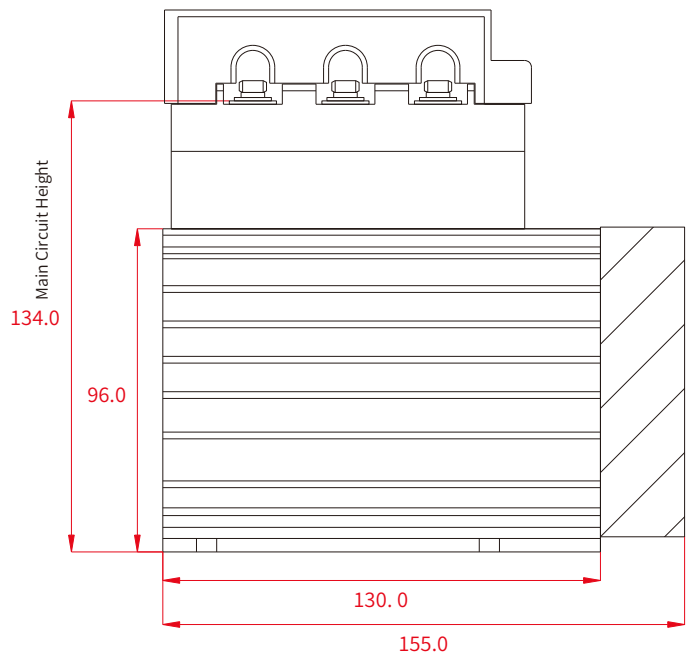
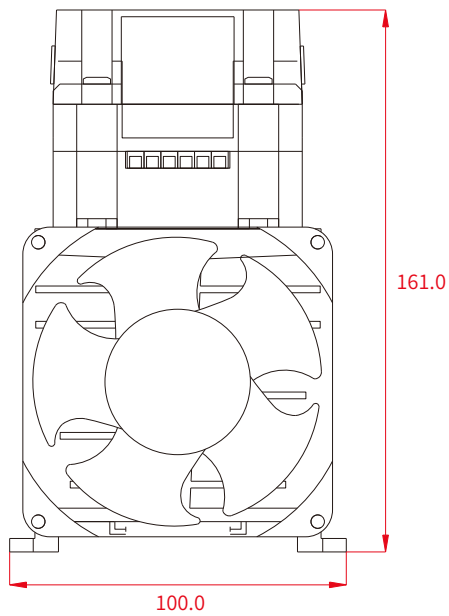
Schematic

Model: HGA3- **CA+S+F

Description: HGA3- **CA Three-phase Linear Module equipped with a 110mm long heat sink and a 9225 fan.

Heat Sink Dimensions: L: 110, W: 100, H: 96

Fan Power Supply: AC220V



Front View Without Fan

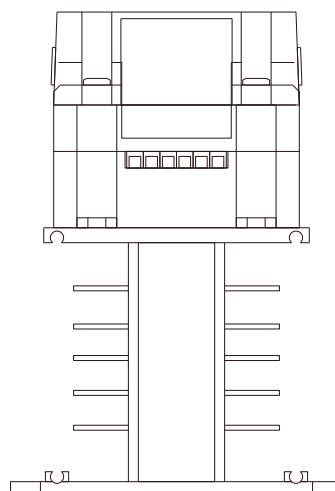
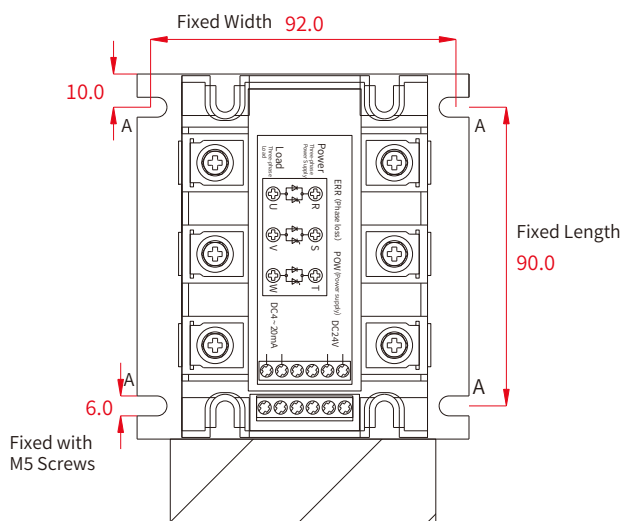
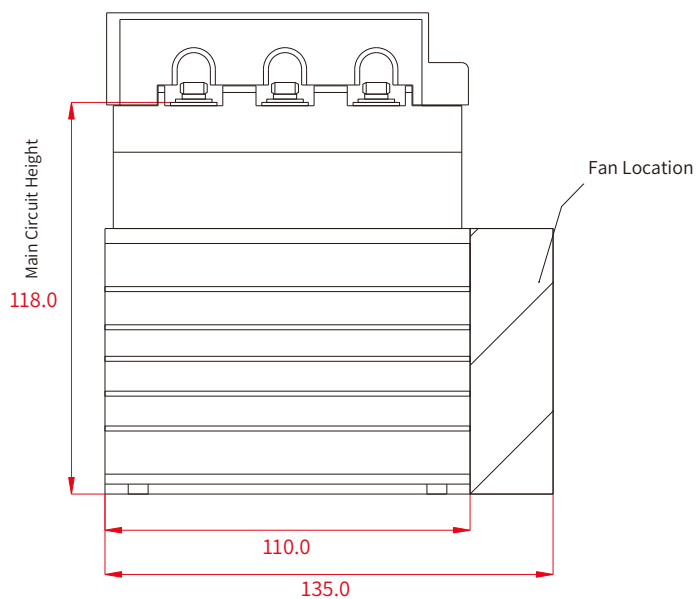
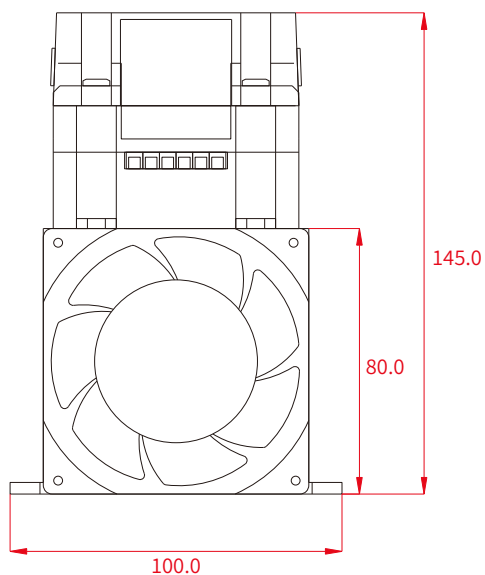
Schematic

Model: HGA3- **CA+SL+F

Description: HGA3- **CA Three-phase Linear Module equipped with a 130mm long heat sink and a 9225 fan.

Heat Sink Dimensions: L: 130, W: 100, H: 96

Fan Power Supply: AC220V



Front View Without Fan

Schematic

Model: HGA3- **CA+S1+F1

Description: HGA3- **CA Three-phase Linear Module equipped with a 110mm long heat sink and a 8025 fan.

Heat Sink Dimensions: L: 110, W: 100, H: 80

Fan Power Supply: AC220V