



THYRISTOR UNIT

GS3000R

High Reliability and Performance

Wide Range Product from 20A to 600A
Compact Design
Variety of Functions



Features

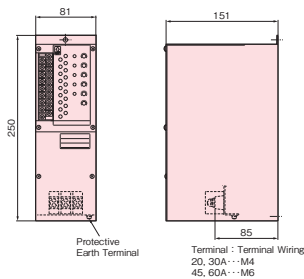
- Multi-Input (Current or Voltage)
- Available in the Resistance Load and the Inductive Load
- Three Kinds of Feedback Type Selectable
(Without Feedback, Current Feedback, Power Feedback)
- Two Kinds of Control Type Selectable (Phase Control, Cycle Control)
- Wide Range Product from 20A to 600A, 100V to 440V
- Protection Function Including Rapid Fuse and Thyristor Gate-off are Built-in
- Cooling Fan are Built-in for The Models of Rated Current above 150A
- Variety of Functions (Soft-Start, Current Limit, Start Output Limit, etc.)
- High Tolerance for Harmonic Noise from the Power Supply

■ SPECIFICATIONS

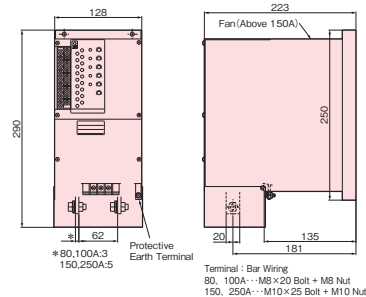
TITLE		SPECIFICATIONS
Input Signal		4 to 20mA DC or 1 to 5V DC
Performance	Current Rating	20,30,45,60,80,100,150,250,350,450,600A
	Cooling system	20 to 100A :Heat-sink more than 150A :Heat-sink + cooling fan
	Applicable Load	Resistance Load Inductive Load (When Phase Control: Control of Primary Side of a Transformer, Magnetic Flux Density 1.2T or less)
	Insulation Resistance	20MΩ or more (at 500V)
	Withstanding Voltage	Voltage Rating 100 to 240V AC:2000V AC for 1 min Voltage Rating 380 to 440V AC:2500V AC for 1 min
	Normal Operating Conditions	Ambient Temperature : -10 to 50°C Ambient Humidity : 20 to 90%RH (Non Condensing)
Function	Control Method	Phase Control or Cycle Control
	Output Voltage Range	0 to 98% of Power Supply Voltage
	Feedback Type	Without Feedback, Current Feedback, Power Feedback
	Over Current Protection	Thyristor Gate-off (About 130% or more of Current Rating)
	Soft-Start	1 to 20 sec
	Output Adjustment	Standard :Internal Span Adjustment Option :External Span Adjustment, Base Adjustment, Manual Adjustment, External + Manual Adjustment, External + Base Adjustment
Power Supply	Alarm	Over Current, Abnormal Heat-sink Temperature , Rapid Fuse Melting, Heater Break (Option)
	Option	Output Limit, Heater Break, Analog Transmitter
	Voltage Rating	100 to 110, 110 to 120, 200 to 220, 220 to 240, 380 to 400, 400 to 440V AC
Construction	Frequency Rating	50/60Hz (Automatic Detection)
	Dimensions	Refer to the Figure Below
	Mass	20,30,40,60A : Approx. 4kg 80,100,150,250A : Approx. 7kg 350,450A : Approx. 11kg 600A : Approx. 13kg

■ DIMENSIONS

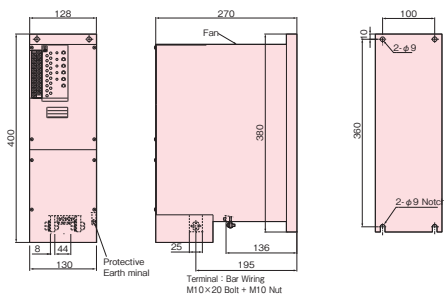
20,30,45,60A



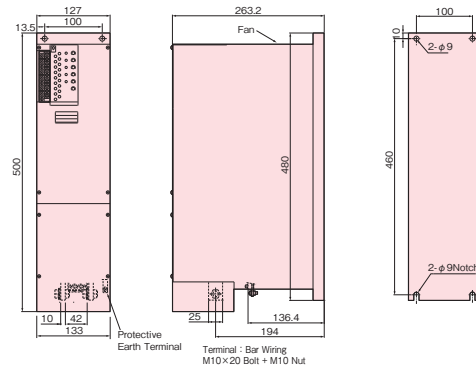
80,100,150,250A



350,450A



600A



CAUTION

Do not install this device before consulting instruction manual



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Specifications are subject to change without notice.

For further information, a quotation or a demonstration please contact to: