

unitz Series B3000

Single-phase Phase Control Type Thyristor general-purpose type



Features

- 1 Constant resistance load such as sheathed heater
- 2 Transformer load can be used
- 3 Supports power supply up to 440V
High withstand voltage specification
- 4 Allowable power supply fluctuation range 30-440V
※ Need be set up

Application

- Use in areas where power supply fluctuations are severe, such as Southeast Asia.
- Adopted in semiconductor devices that require safety, reliability, and stability.

Main Specifications

◆ Main circuit power	Single Phase AC100 ~ 440V	Usage Voltage AC110-220-440V Factory setting
◆ Control circuit power	Less than DC24V±10%	Consumption current 30A ~ 120A Spec : 100mA 200A Spec : 350mA
◆ Power control method	Thyristor AC phase	
◆ Control input signal	DC4-20mA	Receive resistance 100Ω
	DC0-5V	
	DC0-10V	
◆ Output adjust method	Front POWER VR 0-100%	
◆ Alarm output	Dry contact output	Closed action when abnormal ※maxDC30V Less than0.5A
◆ Safety protection function	Alarm action	OPTION
	ALM Overcurrent protection	Main circuit overcurrent detection action when above130%
	Overheat protection	Device Abnormal temp. detection action when SCR Latest temp.100℃ * Action at 80℃ when 200A
	Alarm reset switch	
◆ Noise resistance	EMC immunity requirements	<ul style="list-style-type: none"> • IEC61000-4-3 RF conducted immunity • IEC61000-4-4 Fast transient burst immunity • IEC61000-4-5 Lightning surge immunity • IEC61000-4-11 Voltage dip, instantaneous power failure, voltage fluctuation immunity
	SEMI requirement conformity	• Voltage sag immunity Fail-safe design compliant
◆ Environmental specifications	RoHS	
◆ Withstand voltage /dielectric strength	Between Power - Chassis more than DC500V 100MΩ / Between Power - Chassis AC2500V 1 min	
◆ Usage environment	Temp. : 0 ~ 50℃ (Reduce load current to 85% above 40℃) Humidity : Below90% (non-condensing)	

