

## AC Input Unit

## G32A-B

### AC Input Unit Enabling AC Operation

- Connects to a maximum of two G3PA-VD Relays.



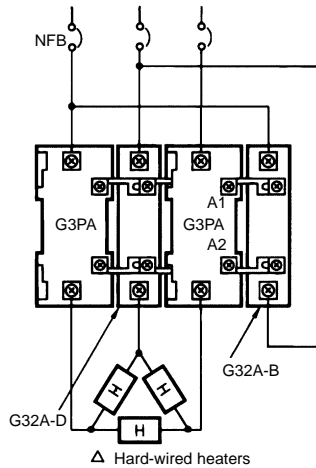
### Ordering Information

Name	Rated input voltage	Model
AC Input Unit	100/120 VAC	G32A-B
	200/240 VAC	

### Application Examples

#### AC Operation

Two G3PA-VD Relays and One G32A-B AC Input Unit



- Note:**
1. Two voltage specifications are available for the G32A-B, 100/120 VAC and 200/240 VAC.
  2. The G32A-B can only be used with the G3PA-VD.

## Specifications

### ■ Ratings

Item			Rated input voltage	
			100/120 VAC	200/240 VAC
Rated input current	50 Hz	100 (200) VAC	21.4 mA TYP	20.9 mA TYP
		120 (240) VAC	26.5 mA TYP	25.4 mA TYP
	60 Hz	100 (200) VAC	25.4 mA TYP	24.9 mA TYP
		120 (240) VAC	31.6 mA TYP	30.3 mA TYP
Must-operate voltage			75% max. of the rated voltage	75% max. of the rated voltage
Reset voltage			10% min. of the rated voltage	10% min. of the rated voltage
Output voltage/current			12 VDC $\pm$ 15%/15 mA max.	12 VDC $\pm$ 15%/15 mA max.

### ■ Characteristics

Item	Rated input voltage	
	100/120 VAC	200/240 VAC
Input voltage range	75 to 132 VAC	150 to 264 VAC
Operating time	1.5 cycles max. of load power supply	
Reset time	1.5 cycles max. of load power supply	
Vibration resistance	10 to 55 Hz, 0.75-mm double amplitude (when mounted to DIN track)	
Shock resistance	300 m/s <sup>2</sup> (Approx. 30 G)	
Ambient temperature	Storage: -30 to 100°C (with no icing or condensation) Operating: -30 to 80°C (with no icing or condensation)	
Ambient humidity	Operating: 45% to 85%	
Weight	Approx. 80 g	

## Precautions

For details on connecting linking terminals, refer to page 144.

### Input

The capacitor drop method is used in the internal circuit of the G32A-B. As a result, if the input of the G32A-B is switched using relay contacts, when power is OFF, the capacitor will cause a voltage approximately twice the power supply voltage to be applied to the relay contacts.