

# GENERAL PURPOSE BLADE RELAYS

## GB SERIES



- ◆ High capacity 12 Amp rated
- ◆ LED indication
- ◆ Push-to-test button
- ◆ Transparent dust cover
- ◆ 2-pole, 3-pole and 4-pole configurations
- ◆ RoHS compliant
- ◆ UL/cUL, CE approval



Better. By Design.

**800.238.7474**

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Macromatic GB Series General Purpose Relays provide high reliability and durability for applications requiring an economical solution.

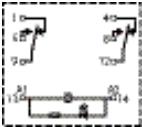
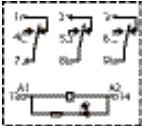
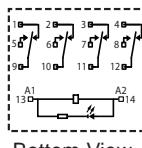
These “ice cube” style relays are configured with Blade style terminals. They are rated for 20,000,000 mechanical operations. Even though compact in size, these relays provide up to 12 Amp contacts at various AC and DC coil voltage ratings.

Sockets for GB Series relays can be either DIN-rail or screw-mounted.

### TYPICAL MODEL CODE

#### BASE PART NUMBER

Series	Control Voltage	Output Contacts
GB	Blade Terminal	
	024A 24 V AC	2 2 Form C
	024D 24 V DC	3 3 Form C
	120A 120V AC	
	240A 240V AC	4 4 Form C

OUTPUT CONTACTS	CONTACT RATING	CONTROL VOLTAGE	CATALOG NUMBER	WIRING/SOCKET
2 FORM C	12 Amp	24V AC	GB024A2	8-Blade Socket <b>SB2ZC5</b>  Bottom View <b>DIAGRAM 818</b>
	12 Amp	24V DC	GB024D2	
	12 Amp	120V AC	GB120A2	
	12 Amp	240V AC	GB240A2	
3 FORM C	10 Amp	24V DC	GB024D3	11-Blade Socket <b>SB3ZC5</b>  Bottom View <b>DIAGRAM 819</b>
	10 Amp	120V AC	GB120A3	
4 FORM C	6 Amp	24V AC	GB024A4	14-Blade Socket <b>SB4ZC5</b>  Bottom View <b>DIAGRAM 822</b>
	6 Amp	24V DC	GB024D4	
	6 Amp	120V AC	GB120A4	
	6 Amp	240V AC	GB240A4	

See page 8 for additional socket information.

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### APPLICATION DATA

#### Load (Burden):

DC: Approximately 1.1 W; AC: Approximately 1.5 VA

**Voltage Maximum:** 250V

#### Output Contacts:

2C: 12A 250V AC/30V DC 3000 VA/360 W  
 3C: 10A 250V AC/30V DC 2500 VA/300 W  
 4C: 6A 250V AC/30V DC 1500 VA/180 W

#### Wire Size:

(1) 12-20 AWG, solid or stranded  
 (2) 16-20 AWG, solid or stranded

#### Life:

20,000,000 mechanical operations  
 100,000 electrical operations

**Temperature:** -40° C to 70° C (-40° to 158° F)

**Unit Weight:** Approximately 0.08 lb (36 g)

**Approvals:** UL/cUL, CE, RoHS compliant

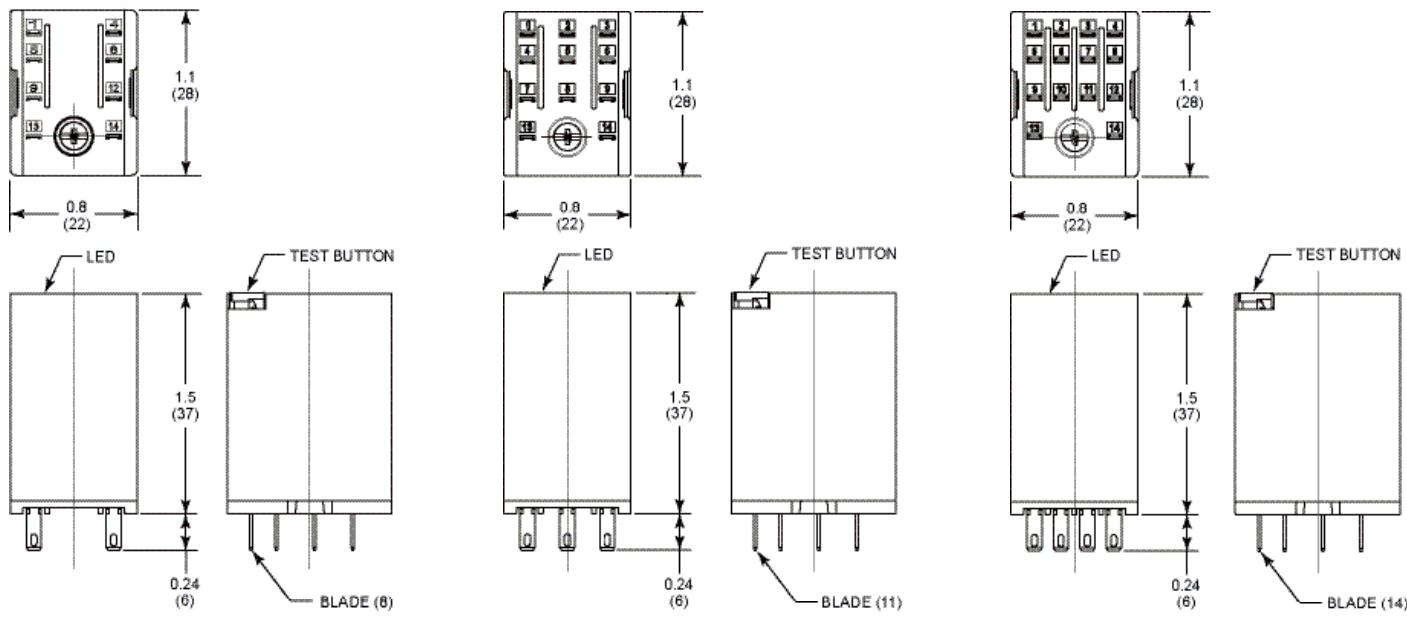


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GB024D2 Relay on SB2ZC5 Socket, left,  
 GB120A3 Relay on SB3ZC5 Socket, right, and  
 GB120A4 Relay on SB4ZC5 Socket, front  
 (Sockets ordered separately)

### DIMENSIONS



Dimensions in Inches (Millimeters)