

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



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

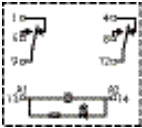
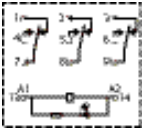
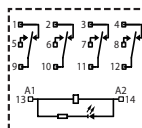
These "ice cube" style relays are configured with Blade style terminals. They are rated for 20,000,000 mechanical operations. Even though compact in size, these relays provide up to 12 Amp contacts at various AC and DC coil voltage ratings.

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	4 4 Form C
	240A 240V AC	

OUTPUT CONTACTS	CONTACT RATING	CONTROL VOLTAGE	CATALOG NUMBER	WIRING/SOCKET
2 FORM C	12 Amp	24V AC	GB024A2	8-Blade Socket SB2ZC5  Bottom View DIAGRAM 818
	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 SB3ZC5  Bottom View DIAGRAM 819
	10 Amp	120V AC	GB120A3	
4 FORM C	6 Amp	24V AC	GB024A4	14-Blade Socket SB4ZC5  Bottom View DIAGRAM 822
	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)

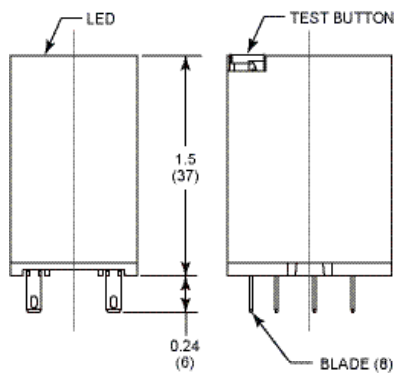
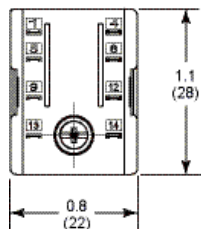
Unit Weight: Approximately 0.08 lb (36 g)

Approvals: UL/cUL, CE, RoHS compliant

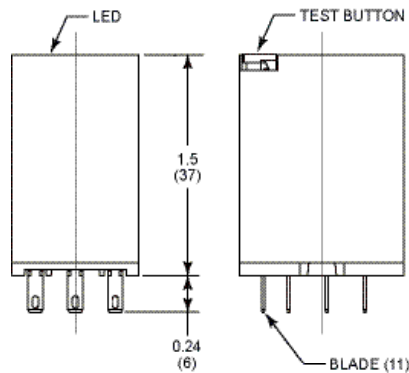
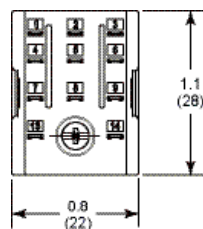


GB024D2 Relay on SB2ZC5 Socket, left,
GB120A3 Relay on SB3ZC5 Socket, right, and
GB120A4 Relay on SB4ZC5 Socket, front
(Sockets ordered separately)

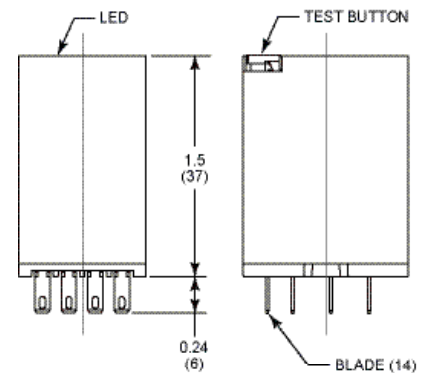
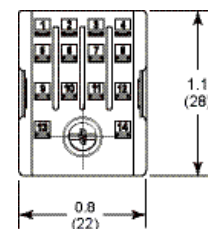
DIMENSIONS



2 Form C (2 Pole)



3 Form C (3 Pole)



4 Form C (4 Pole)

Dimensions in Inches (Millimeters)