

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	024D 24 V DC 120A 120V AC	2 2 Form C 3 3 Form C 4 4 Form C

OUTPUT CONTACTS	CONTACT RATING	CONTROL VOLTAGE	CATALOG NUMBER	WIRING/SOCKET
2 FORM C	12 Amp	24V DC	GB024D2	8-Blade Socket SB2ZC5 Bottom View DIAGRAM 818
	12 Amp	120V AC	GB120A2	
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 DC	GB024D4	14-Blade Socket SB4ZC5 Bottom View DIAGRAM 822
	6 Amp	120V AC	GB120A4	

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)

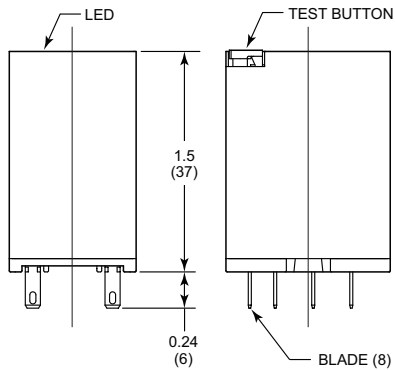
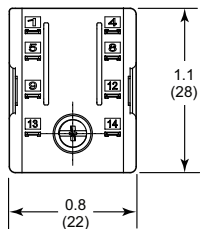
Unit Weight: Approximately 0.08 lb (36 g)

Safety Approvals: UL/cUL, CE, RoHS compliant

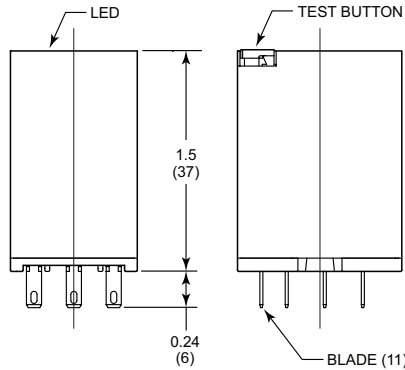
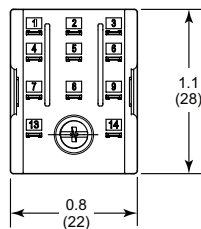


GB024D2 Relay on SB2ZC5 Socket, left,
 GB120A3 Relay on SB3ZC5 Socket, right, and
 GB120A4 Relay on SB4ZC5 Socket, front
 (Sockets ordered separately)

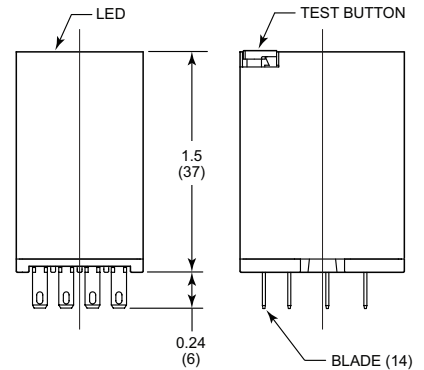
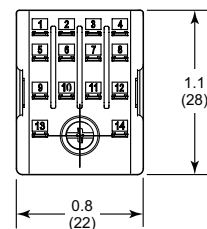
DIMENSIONS



2 Form C (2 Pole)



3 Form C (3 Pole)



4 Form C (4 Pole)

Dimensions in Inches (Millimeters)