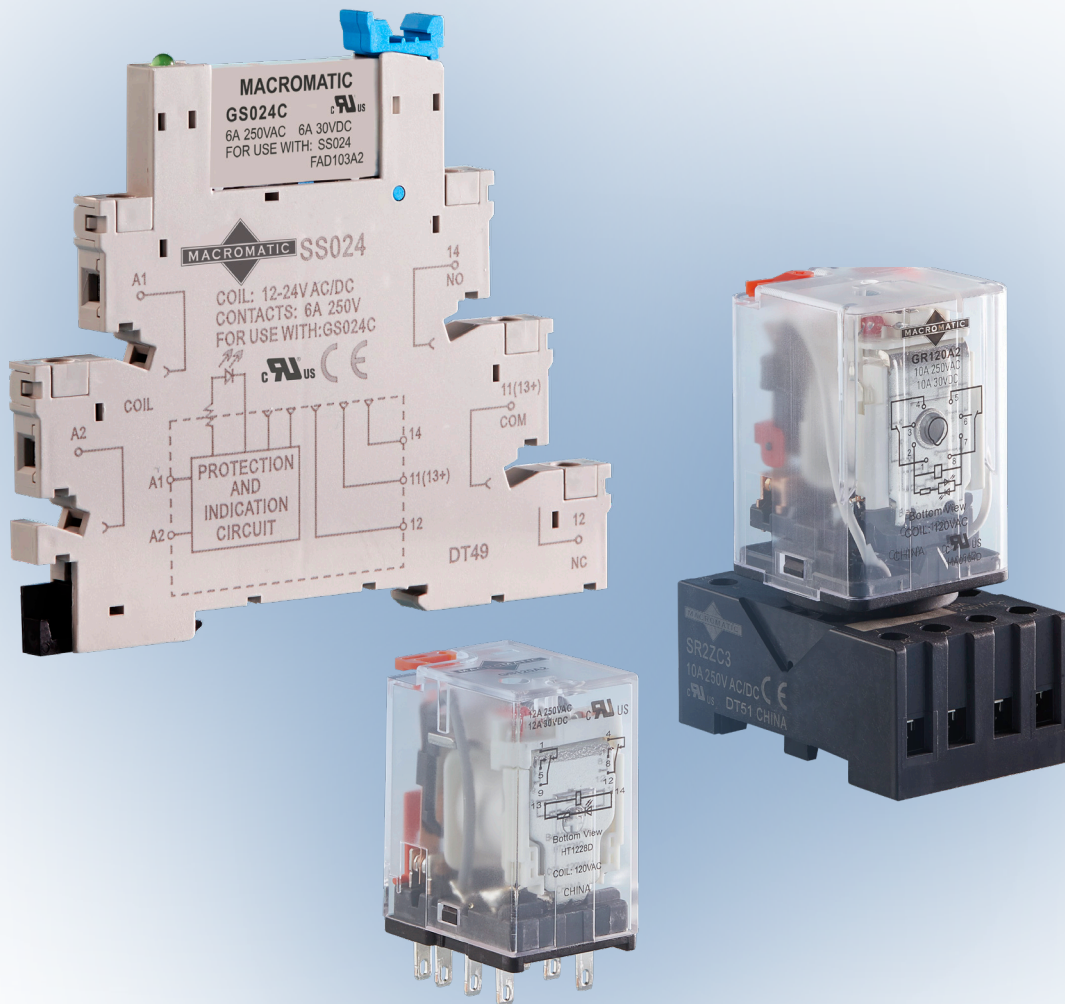




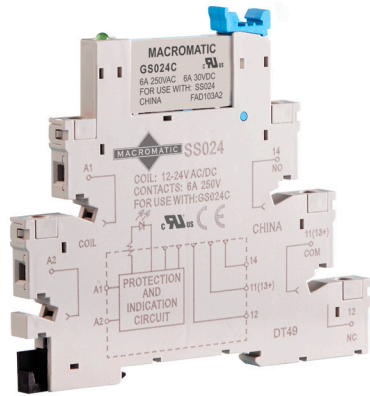
Better. By Design.

# GENERAL PURPOSE RELAYS



# GENERAL PURPOSE SLIM RELAYS

## GS SERIES



- ◆ Compact size (6 mm)
- ◆ 1 Form C contact
- ◆ Secure relay/socket retention with easy ejection
- ◆ High capacity 6 Amp rated
- ◆ Finger safe protection
- ◆ LED indication
- ◆ 10,000,000 mechanical operations
- ◆ RoHS compliant
- ◆ UL/cUL, CE approval



Macromatic GS Series General Purpose Relays are designed for high density applications while still providing reliability and durability.

These slim relays (6 mm wide installed on socket) have contacts rated at 6 Amp 250V AC/ 30V DC. They are rated for 10,000,000 mechanical operations.

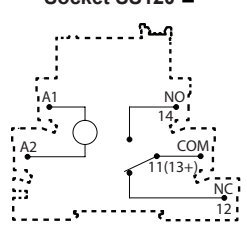
The GS Series relays carry UL/cUL Safety Approvals and are RoHS compliant.

Relay and socket installation provides finger protection, indication of power status and 1 Form C contact and is available in common control voltages.

### TYPICAL MODEL CODE

#### BASE PART NUMBER

Series	Control Voltage	Output Contacts
GSC Slim DIN Rail	024 24V AC/DC 120 120V AC/DC	C 1 Form C

OUTPUT CONTACTS	CONTACT RATING	CONTROL VOLTAGE	CATALOG NUMBER	WIRING/SOCKET
1 FORM C	6 Amp	24V AC/DC	GSC024C ■	Socket SS024 ■ Socket SS120 ■  Bottom View <b>DIAGRAM 817</b>
	6 Amp	120V AC/DC	GSC120C ■	

- GSC024C is comprised of GS024C relay and SS024 socket. GSC120C is comprised of GS060C relay and SS120 socket. These relays and sockets are assembled as one unit and must be used together.

# GENERAL PURPOSE SLIM RELAYS

## GS SERIES

### APPLICATION DATA

**Load (Burden):**  
Maximum 250 mW

**Output Contacts:**  
Arrangement  
1C: 6A 250V AC/30V DC, 1500 VA/180 W

**Life:**  
10,000,000 mechanical operations  
30,000 electrical operations

**Temperature:**  
24V AC/DC: -40° C to 70° C (-40° F to 158° F)  
120V AC/DC: -40° C to 55° C (-40° F to 131° F)

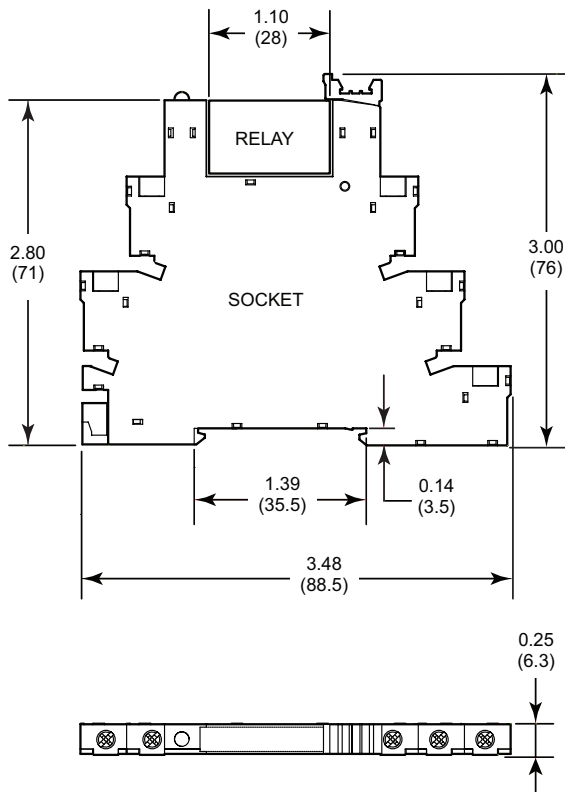
**Terminal Tightening:**  
Recommended torque, 4.43 in-lb

**Unit Weight:** Approximately 0.07 lb (32 g) relay + socket

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



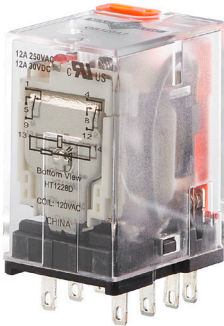
### DIMENSIONS



Dimensions in Inches (Millimeters)

# GENERAL PURPOSE BLADE RELAYS

## GB SERIES



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



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

These “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

OUTPUT CONTACTS	CONTACT RATING	CONTROL VOLTAGE	CATALOG NUMBER	WIRING/SOCKET
2 FORM C	12 Amp	24V DC	GB024D2	8-Blade Socket <b>SB2ZC5</b> Bottom View <b>DIAGRAM 818</b>
	12 Amp	120V AC	GB120A2	
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	

See page 8 for additional socket information.

# GENERAL PURPOSE BLADE RELAYS

## GB SERIES

### APPLICATION DATA

**Load (Burden):**

DC: Approximately 1.1 W; AC: Approximately 1.5 VA

**Output Contacts:**

Arrangement

2C: 12A 250V AC/30V DC 3000 VA/360 W

3C: 10A 250V AC/30V DC 2500 VA/300 W

**Life:**

20,000,000 mechanical operations

100,000 electrical operations

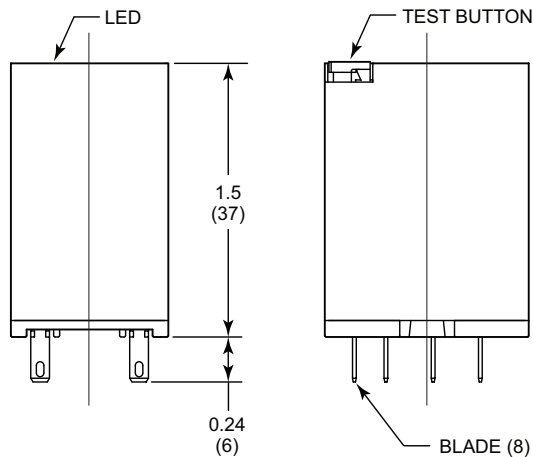
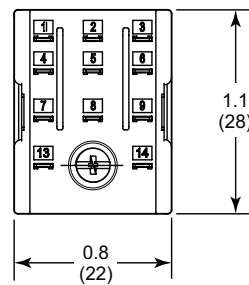
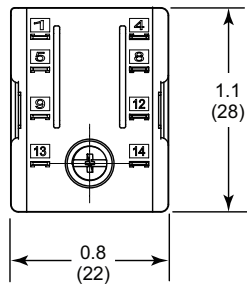
**Temperature:** -40° C to 70° C (-40° to 158° F)

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

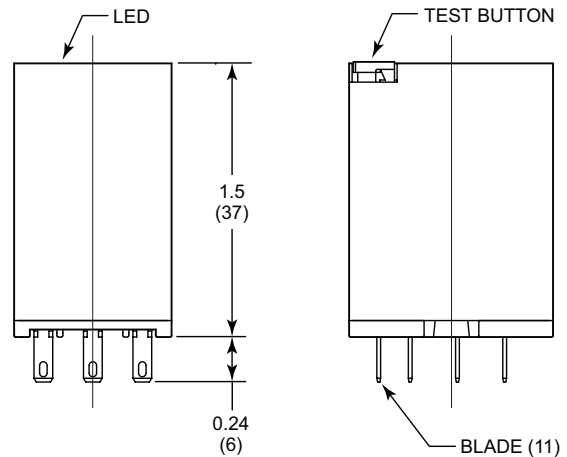
**Safety Approvals:** UL/cUL, CE, RoHS compliant



### DIMENSIONS



2 Form C (2 Pole)



3 Form C (3 Pole)

Dimensions in Inches (Millimeters)

# GENERAL PURPOSE ROUND RELAYS

## GR SERIES



- ◆ High Capacity 10 Amp rated
- ◆ LED indication
- ◆ Push-to-test button
- ◆ Transparent dust cover
- ◆ 2- or 3-pole configurations
- ◆ RoHS compliant
- ◆ UL/cUL, CE approval



Better. By Design.

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

These “cube style” relays are configured with Octal (Round) Style terminals and are rated for 10,000,000 mechanical operations. Even though compact in size, these relays provide up to 10 Amp contacts at various AC and DC coil voltage ratings.

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

### TYPICAL MODEL CODE

BASE PART NUMBER		OPTIONS	
Leave blank if not selected		Leave blank if not selected	
Series	Control Voltage	Output Contacts	Options
GR	120A 120V AC 024D 24 V DC	2 2 Form C 3 3 Form C	T Omit Push-to-Test

OUTPUT CONTACTS	CONTACT RATING	CONTROL VOLTAGE	CATALOG NUMBER	WIRING/SOCKET
2 FORM C	10 Amp	24V DC	GR024D2 GR024D2T	8-Pin Octal Socket <b>SR2ZC3</b>  Bottom View <b>DIAGRAM 820</b>
	10 Amp	120V AC	GR120A2 GR120A2T	
3 FORM C	10 Amp	24V DC	GR024D3 GR024D3T	11-Pin Octal Socket <b>SR3ZC3</b>  Bottom View <b>DIAGRAM 821</b>
	10 Amp	120V AC	GR120A3 GR120A3T	

See page 8 for additional socket information

# GENERAL PURPOSE ROUND RELAYS

## GR SERIES

### APPLICATION DATA

**Load (Burden):**

DC: approximately 1.4 W; AC: approximately 3.0 VA

**Output Contacts:**

Arrangement

2C: 10A 250V AC/30V DC 2500 VA/300 W

3C: 10A 250V AC/30V DC 2500 VA/300 W

**Life:**

10,000,000 mechanical operations

100,000 electrical operations

**Temperature:** -40° C to 55° C (-40° F to 131° F)

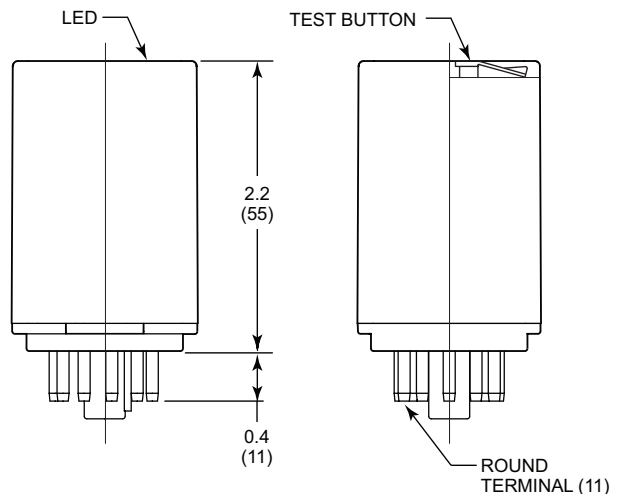
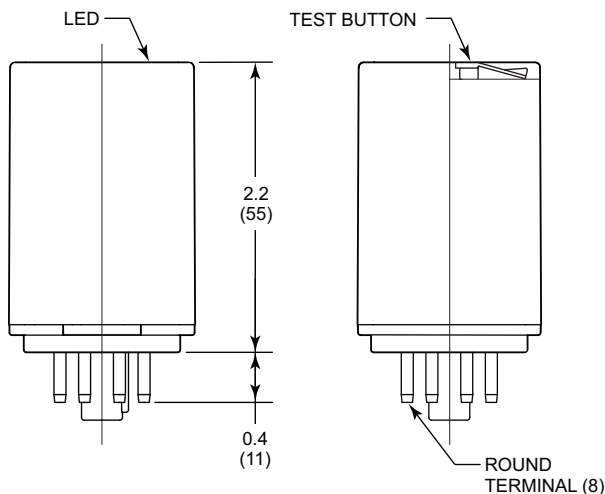
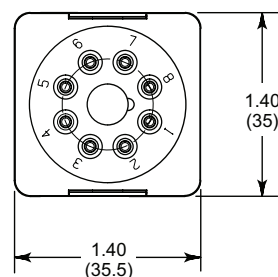
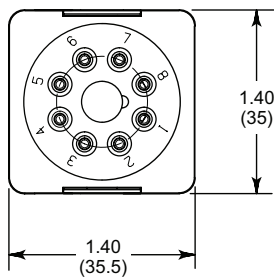
**Unit Weight:** Approximately 0.20 lb (90 g)

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



GR120A2 Relay on SRZC3 Socket  
(Socket ordered separately)

### DIMENSIONS



2 Form C (2 Pole)

3 Form C (3 Pole)

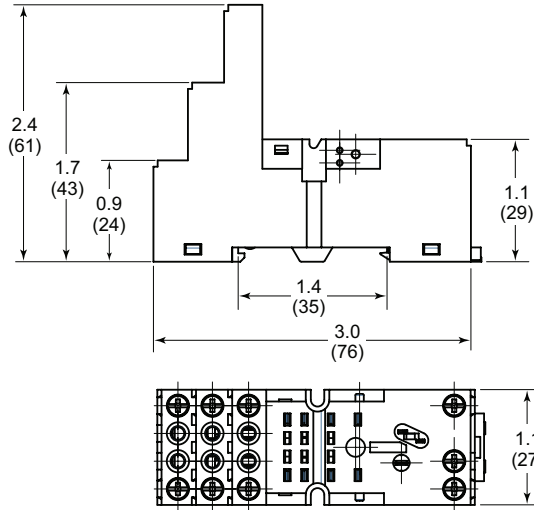
Dimensions in Inches (Millimeters)

# SOCKETS & ACCESSORIES

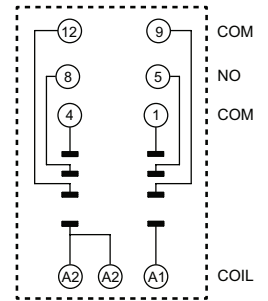
## SB2ZC5 8-Blade Terminal Sockets DIN-Rail or Screw Mounting

- ◆ Includes retainer
- ◆ Tighten terminal screws to recommended torque of 5.31 in-lb
- ◆ Approximate weight: 0.14 lb (64g)

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



Dimensions in Inches (Millimeters)

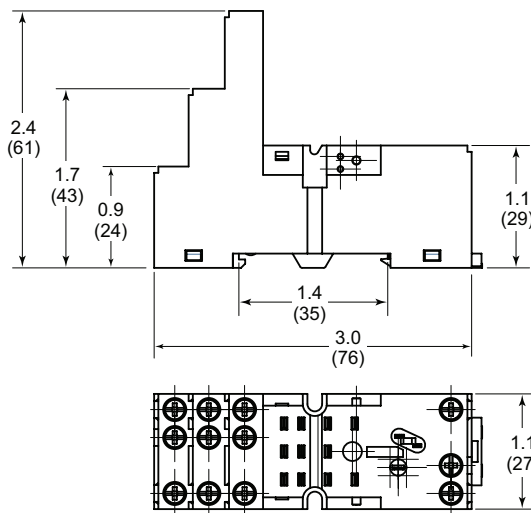


Wiring Diagram

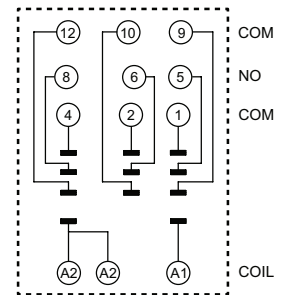
## SB3ZC5 11-Blade Terminal Sockets DIN-Rail or Screw Mounting

- ◆ Includes retainer
- ◆ Tighten terminal screws to recommended torque of 5.31 in-lb
- ◆ Approximate weight: 0.16 lb (71 g)

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



Dimensions in Inches (Millimeters)



Wiring Diagram

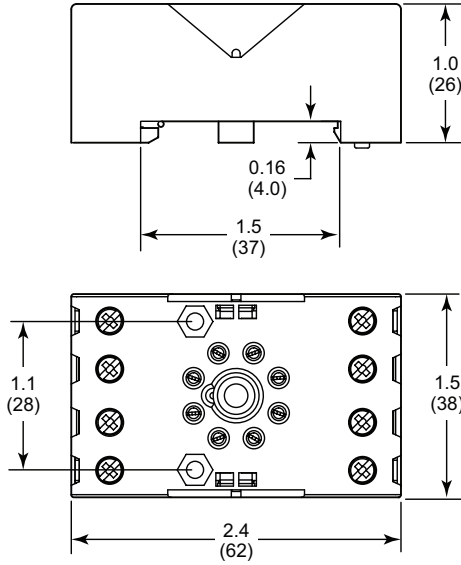
# SOCKETS & ACCESSORIES

## SR2ZC3 Octal (Round) 8-Terminal Sockets DIN-Rail or Screw Mounting

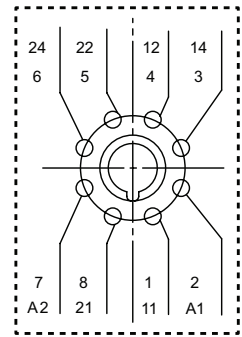


- ◆ Tighten terminal screws to recommended torque of 5.31 in-lb
- ◆ Approximate weight: 0.11 lb (49 g)

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



Dimensions in Inches (Millimeters)



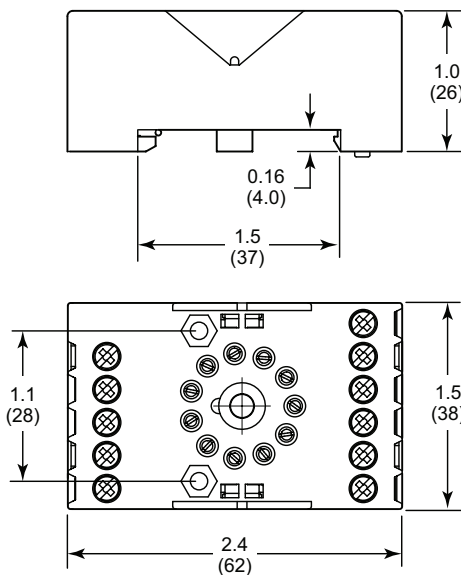
Wiring Diagram

## SR3ZC3 Octal (Round) 11-Terminal Sockets DIN-Rail or Screw Mounting

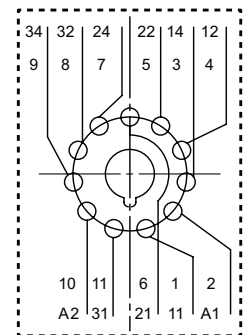


- ◆ Tighten terminal screws to recommended torque of 5.31 in-lb
- ◆ Approximate weight: 0.12 lb (56 g)

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



Dimensions in Inches (Millimeters)



Wiring Diagram

