

### Automotive High Current Relay

- Special purpose high power automotive relay. (70 Amp)
- Wide temperature range:  $-40^{\circ}\text{C}$  to  $+135^{\circ}\text{C}$ .
- High current path fully welded – Reduces heat build up at full load.
- Insert moulded terminals – mechanical stability.
- Standard ISO terminal foot print.
- Made in North America.



### Available Types

Type	Contact form	Note
G8JR 1A7T R 12DC	SPST	With Suppression Resistor
G8JR 1A5T R 12DC	SPST	Mounting Bracket with Resistor

### Contact Data

Resistive load (max.)	70A
Inrush current (max.)	150A
Contact Resistance	5m Ohm

### Ratings/Specifications

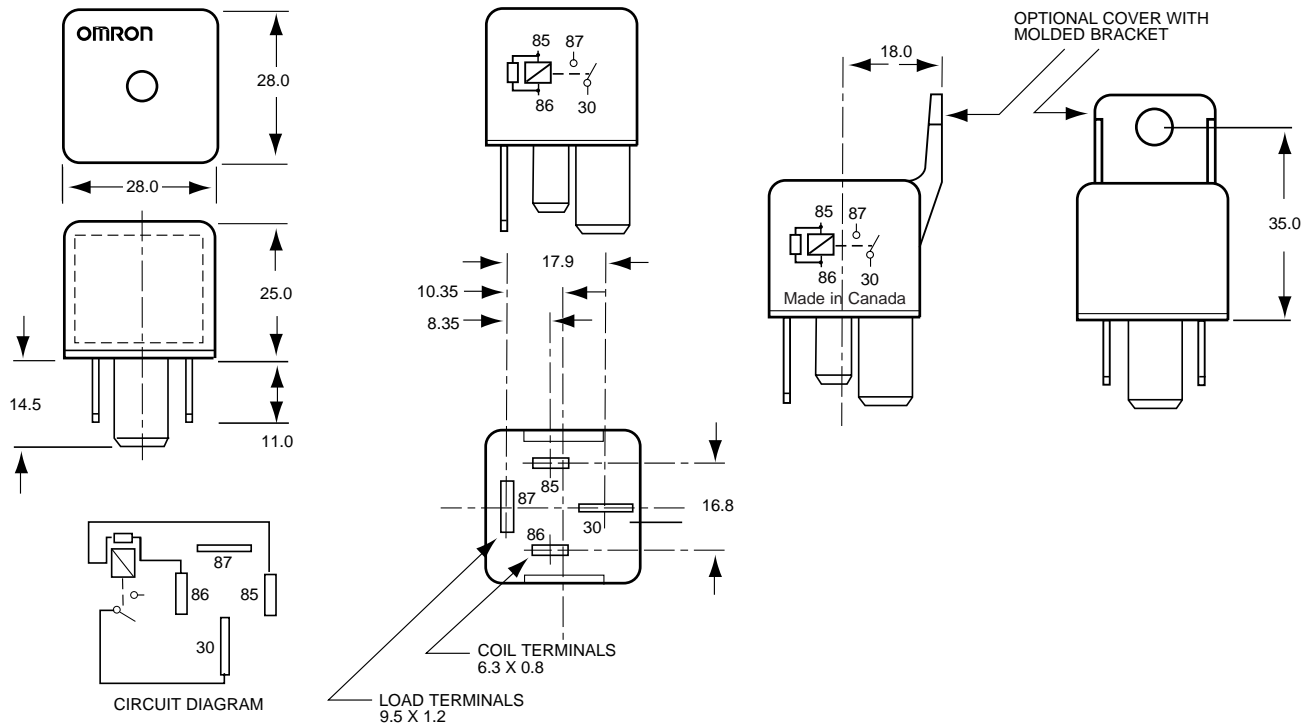
Rated voltage	12 VDC	
Operating voltage (max.)	16 VDC	
Coil resistance	65 Ohm $\pm$ 15%	
Pull in voltage	at $+23^{\circ}\text{C}$ (max.)	9.0 VDC
	at $+125^{\circ}\text{C}$ (max.)	11.0 VDC
Drop-out voltage at $+23^{\circ}\text{C}$ (min.)	1.0 VDC	
Duty cycle at rated load (16 VDC at $125^{\circ}\text{C}$ )	100%	
Operate time (at $23^{\circ}\text{C}$ ) (max.)	8.0 ms	
Release time (at $23^{\circ}\text{C}$ ) (max.)	4.0 ms	
Operating ambient temperature	$-40^{\circ}\text{C}$ to $+135^{\circ}\text{C}$	
Mechanical life (min.)	1,000,000 cycles	
Electrical life (resistive load) (min.)	100,000 cycles	
Weight	40g	

# Application Examples

- Engine cooling fan(s)
- Starter Motor
- Glow plug

# Dimensions

(All dimensions in mm)



Cat. No. C-G8JE-002 In the interest of product improvement, specifications are subject to change without notice.

# OMRON

LEADERS IN ELECTRONIC COMPONENTS

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