

Automotive High Current Relay

- Special purpose high power automotive relay. (70 Amp)
- Wide temperature range: -40°C to +135°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
G8JE-1A7T-R-12DC	SPST	With Suppression Resistor (Optional bracket available)

Contact Data

Resistive load (max.)	70A
Inrush current (max.)	150A
Contact voltage drop (Initial value at 23°C) (max.)	100mV at 10A

Ratings/Specifications

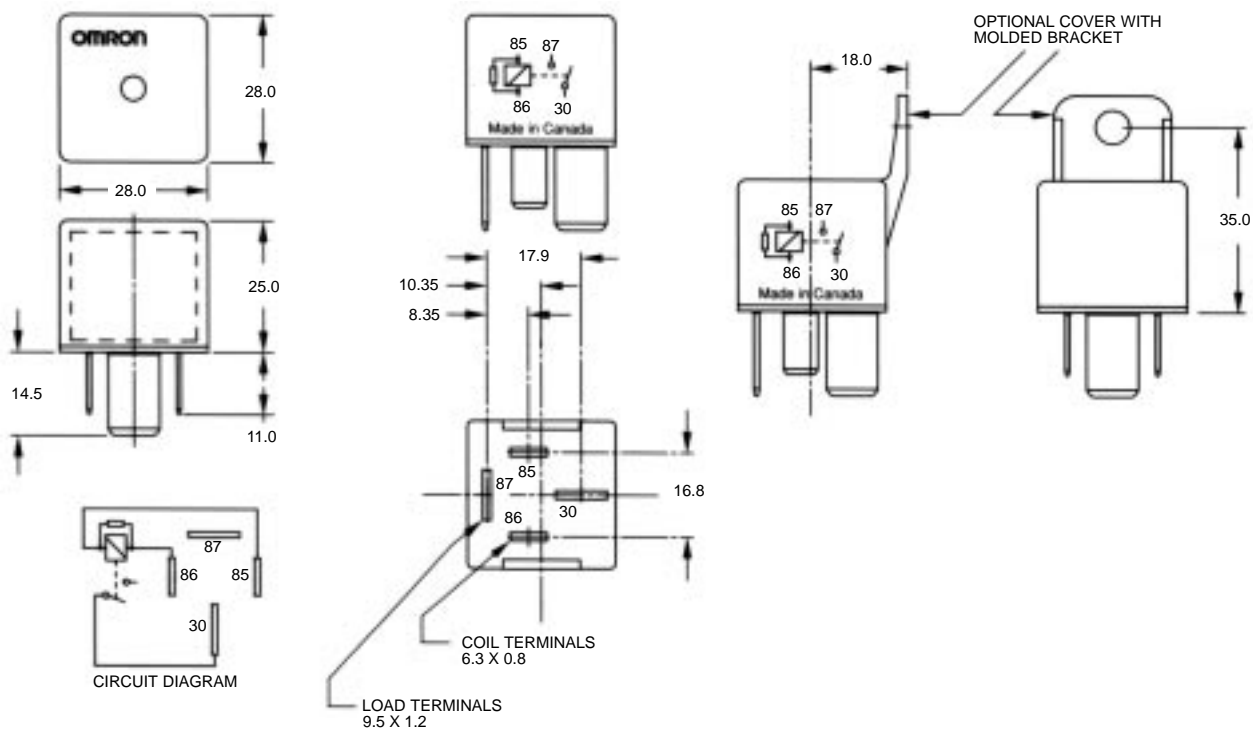
Rated voltage	12 VDC	
Operating voltage (max.)	16 VDC	
Coil resistance	80Ω ± 10%	
Pull in voltage	at +23°C (max.)	9.0 VDC
	at +125°C (max.)	11.0 VDC
Drop-out voltage at +23°C (min.)	1.0 VDC	
Duty cycle at rated load (16 VDC at 125°C)	100%	
Operate time (at 23°C) (max.)	8.0 ms	
Release time (at 23°C) (max.)	4.0 ms	
Operating ambient temperature	-40°C to +135°C	
Mechanical life (min.)	10,000,000 cycles	
Electrical life (resistive load) (min.)	500,000 cycles at 16V, 70A, 125°C	
Weight	40g	

Application Examples

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

Dimensions

(All dimensions in mm)



Cat. No. C-G8JE-001 In the interest of product improvement, specifications are subject to change without notice.

OMRON

LEADERS IN ELECTRONIC COMPONENTS

OMRON Electronics Ltd.

1, Apsley Way,
Staples Corner,
London NW2 7HF
Phone: (0181) 450 4646 Fax: (0181) 450 8087