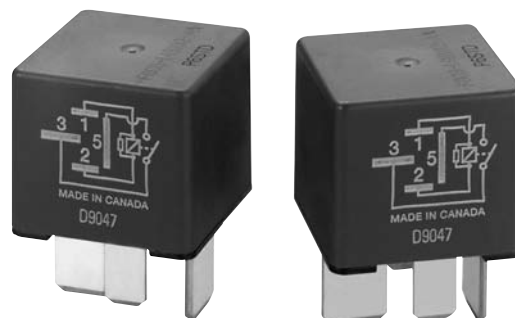


# G8JR

High current ISO relay for automobile use

## High current switching (inrush current 150 A) relay for automobile use

- Wide temperature range when using the relay:  
–40~+135°C.
- Little heating design
- Terminal layout based on ISO, Mini.



### ■ Purpose

- Engine cooling fan, air pump, glow plug, resistive load

### ■ Type standard

G8JR-□□□□-□

① ② ③ ④ ⑤ ⑥

	Classification	Symbol	Meaning of the symbol
①	Basic type	G8JR	Mini ISO relay for automobile use
②	Number of contact poles	1	Number of contact poles
③	Contact configuration	A	1a contact
④	Protective construction	2	With case
⑤	Terminal shape	T	Plug-in terminal
⑥	Appropriate functions	R	Built-in

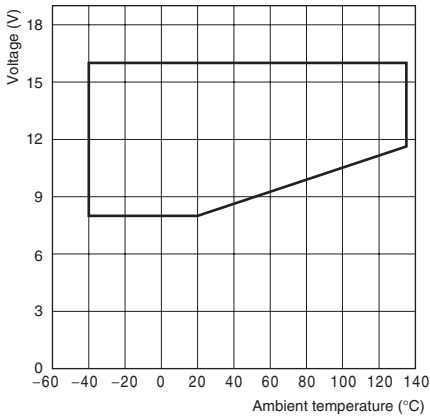
### ■ Ratings/Performance

Type		G8JR
Item		
Coil	Rated coil voltage	12 VDC
	Service voltage range	10 to 16 VDC
	Operating voltage (at 20°C)	8.0 V Max
	Release voltage (at 20°C)	1.0 V Min
	Coil resistance between terminals (at 20°C) [Internal coil resistance]	64.5 Ω [71 Ω]
Contact	Contact material	AgSn type (non-cadmium)
	Rated load	12 VDC 50 A Resistor
	Max inrush current	150 A
Endurance (Lifetime)	Mechanical	1,000,000 times or more
	Electrical	100,000 times or more
Ambient temperature range		–40~+135°C
Weight		About 39 g

ISO relay

Reference data

Ambient temperature and service voltage range (Cold start)  
G8JR



Electrical endurance

Relay	Load type	Current	Cycles Tested
G8JR	Cooling Fan Motor load	150 A In-Rush 50 A Steady State	150,000 8s on, 7s off
	Glow Plug Load	72 A In-Rush 28 A Steady State	60,000 30s on, 90s off
	Resistive load	50 A Steady State	100,000 2s on, 2s off

Contour dimension (Unit: mm)

G8JR-1A2T-R

