

Miniaturized Micro 280

- SPST version only.
- 20A Continuous Contact Rating from –40°C to 100°C.
- 80A Inrush at 12VDC.
- 280 Terminal Type.
- Fully automated assembly.
- Made in Japan.

Available Types -

Туре	Description	
G8VL-1A4T-R-L	Miniaturized Micro 280 SPST Plug In with Resistor	

Contact Data —

Max Switching Current	Inrush 80A, Steady 20A	
Max Switching Voltage	16V	
Min. Carry / Switching Current	1A	
Contact Material	Silver Tin Oxide (Cadmium Free)	

Coil Ratings (at 20°C) -

Туре	Rated Voltage	Coil Resistance ±10%	Coil Resistance w/ 1.1kΩ suppression ±10%	Nominal Power Consumption	Pull in Voltage	Dropout Voltage
G8VL-1A4T-R-L	12VDC	150 Ω	132 Ω	1.38 W	8.0Vmax	0.7-4.0V

Typical Applications

Door Locks	Lamp	
Fuel Pump	Radiator Fan	
ABS	All Micro Relay Applications	

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Characteristics

Max. Initial Contact Voltage Drop		200mV @ 15A	
NO Activation Time		10 ms max. (4.2 ms typical) @ 14 V	
NO Deactivation Time		10 ms max. (2.3 ms typical*) @ 14 V	
Insulation resistance		10 MΩ min (at 500 VDC)	
Dielectric strength		500 VAC, for 1min between coil and contacts and	
		between contacts.	
Ambient Operating Temperature		-40°C to 100°C	
Humidity		Up to 95%	
Service life	Mechanical	1,000,000 operations min.	
	Electrical	100,000 operations min (load dependent).	
Weight		13.6g	

^{*} Typical data includes coil suppression. Release times may decrease without coil suppression.

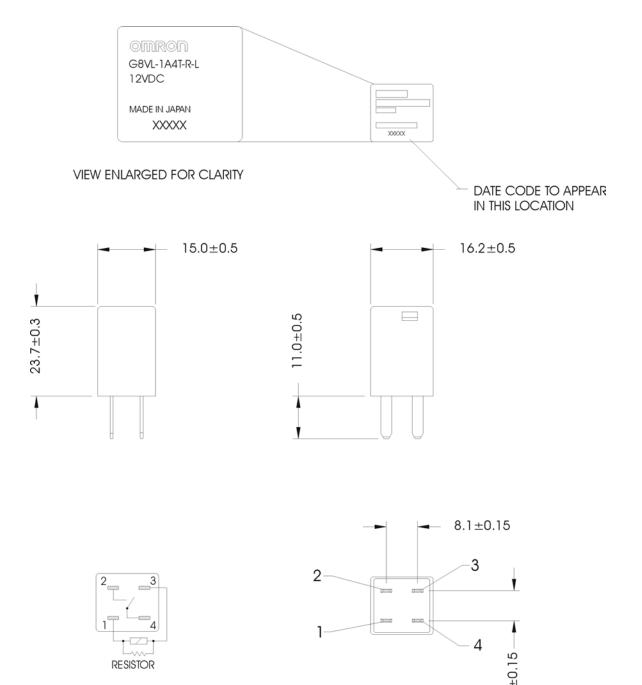
Characteristic Reference Data -

Durability Data

Relay	Load Type	Current	Cycles Tested	
	Inductive	4 A Steady State	880,000 3s on, 3s off -30°C to 80°C	
	Motor - Fuel Pump	26.1 A Inrush	160,000 1s on, 3s off	
G8VL	Wotor - r der r drip	7.6 A Steady State	-30°C to 80°C 440,000 2s on, 5s off -30°C to 80°C	
GOVE		71 A Inrush		
	Motor – Radiator Fan	16 A Steady State		
	Lamp	72 A Inrush	100,000 3s on, 3s off	
	Lamp	16 A Steady State	25°C to 100°C	

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Dimensions



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TERMINAL ARRANGEMENT INTERNAL CONNECTIONS (BOTTOM VIEW)