Yueqing Lehong Electric Co., Ltd
Address: Bei Bai Xiang Zhen Qian Xi Zhang Cun, Yueqing City, Wenzhou City,
Zhejiang Province, China.

Product Specification

Product Name: Automotive Relay
Product type: RF6109-C(5P) / RF6109-A(4P)
Model: JD1914
Certificate: CE, ROHS

1. Coil Data at 20°C

Rated Coil Voltage (VDC)	Rated Coil Current ±10%(mA)	Coil Resistance ±10%(Ω)	Maximum Continuous Applied Voltage	Pick-up Voltage (Max.)	Drop-out Voltage (Min.)	Rated Coil Power
6	266	22.5	130% of rated voltage	75% of rated voltage	5% of rated voltage	Approx. 1.6 W
12	133	90				
24	66	360				
48	33	1440				

2. General Performance

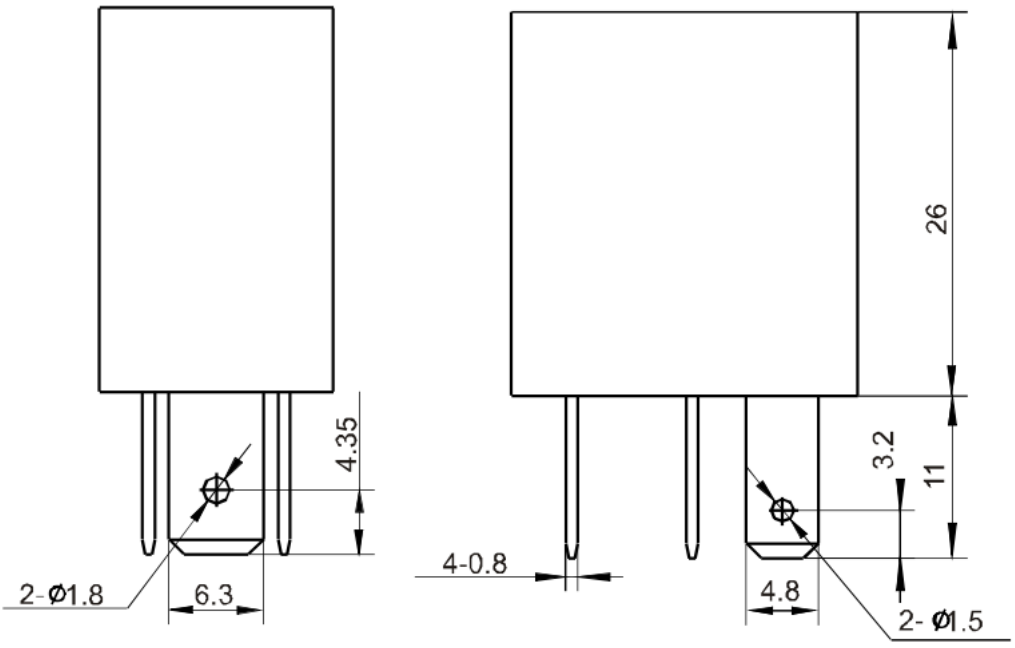
Parameter	Specification
Contact Material	Silver alloy
Contact Resistance	100 mΩ max.
Operate Time	10 msec max.
Release Time	5 msec max.
Insulation Resistance	100 MΩ min. at 500 VDC
Dielectric Strength Between Contacts	700 VAC, 50/60 Hz for 1 minute
Dielectric Strength Between Contacts and Coil	700 VAC, 50/60 Hz for 1 minute
Vibration Resistance – Endurance	10–55 Hz, double amplitude 1.5 mm
Vibration Resistance – Malfunction	10–55 Hz, double amplitude 1.5 mm
Shock Resistance – Endurance	10 G min.
Shock Resistance – Malfunction	100 G min.
Mechanical Life	10,000,000 operations at 10,800 operations/hour
Electrical Life	100,000 operations at 1,800 operations/hour
Ambient Operating Temperature	−40°C to +85°C, without condensation
Approximate Weight	18 g

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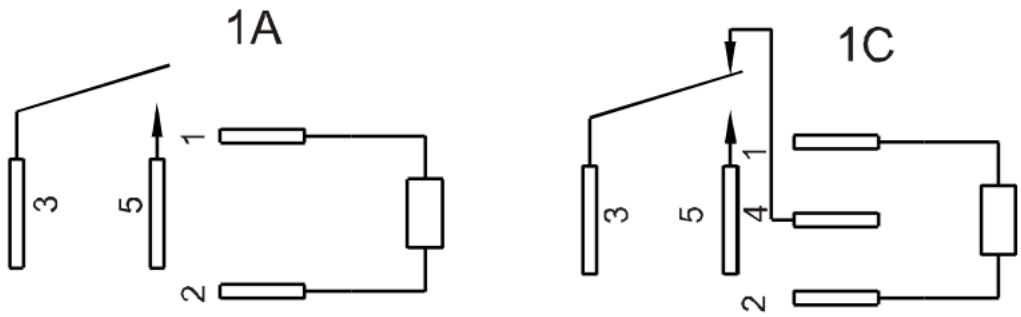
3. Contact Ratings

Parameter	RF6109-C	RF6109-A
Contact Arrangement	1 Form C / SPDT	1 Form A / SPST-NO
Resistive Load	NO: 20 A at 14 VDC	20 A at 14 VDC
Maximum Switching Current	20 A	20 A
Maximum Switching Voltage	14 VDC	14 VDC
Maximum Switching Power	280 W	280 W

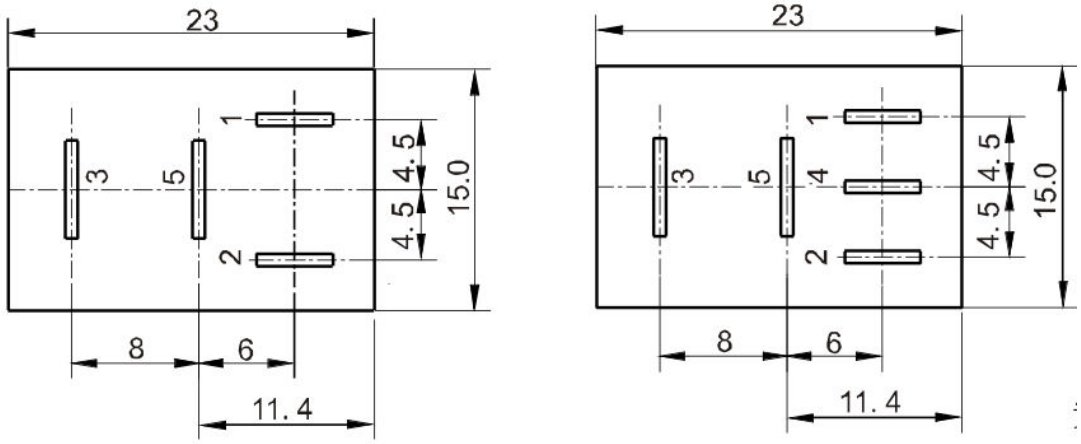
4. Outline Dimensions



5. Wiring diagram orientation: Bottom view



6. Mounting hole



Mounting hole dimensional tolerance: ±0.1 mm