



Save on energy, starts from me.



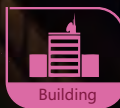
LEADING THE INNOVATIVE ENERGY-SAVING RECYCLING ECONOMY, EMISSION REDUCTION!



Factory



Hospital



Building



Community



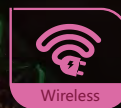
School



Household



Low Carbon



Wireless



Energy Saving

LR1711-100

Magnetic Latching Relay

100A
277VAC
9V
1.5W
UC3



ISO9001

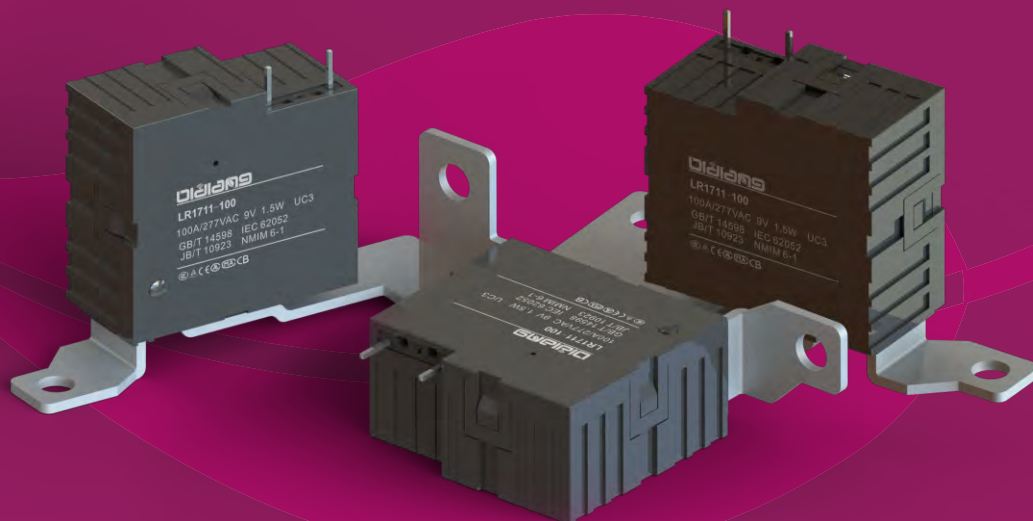


ISO14001



OHSAS18001

GB/T 14598
JB/T 10923
IEC 62052
NMIM 6-1



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LR1711-100

Magnetic Latching Relay

100A 277VAC
9VDC 1.5W
IEC 62052: UC3



FEATURES

- With UC3 standard certification;
- Applicable environmental temperature: -40°C~+90°C;
- Highly reliable under overheat and overload conditions, functions in 120°C after passing 120A current for a long period;
- Widly used in energy meter and compound switch;
- Fast response time: 7ms AC half wave drive;
- Conform to the GB/T 14598、JB/T 10923、IEC 62052-31 and NMIM 6-1 standard;
- Meet the requirements of temperature rise test;
- Comply with the RoHS environmental protection requirements.

CONTACT LOAD

Rated load (resistive) : 100A 277VAC
 Contact material : AgSnO₂
 Max switching current : 100A
 Max switching voltage : 440VAC
 Max switching power : 44000VA

COIL PARAMETER

	Resistance (Ω) 20°C	Rated voltage (VDC)	Releasing voltage (VDC)	Rated current (ADC)	Pulse width (ms)
Single coil	54.0±10%	9.0	3.6~6.3	MIN 0.17	100

Note: considering the temperature effect, use and reliable working voltage is recommended for 10 ~ 12 VDC.

PERFORMANCE PARAMETER

Loop resistance : ≤0.25mΩ
 Closing time : ≤20 ms
 Releasing time : ≤20 ms

Life

- Electrical life : 100A/277VAC 10,000 time (5000 time PF=1, and 5000 time PF=0.5);
- Mechanical life : 1,000,000 time.

Impact resistance current :

- Safe short-time current patience :
 - Meet: 6kA/319VAC/10ms (Three times);
 - Meet: 7kA/319VAC/60ms (One time).

- Work short-time current patience : 3.0kA/319VAC/10ms (Three times).

Vibration resistance: 10~55Hz, double 1.5mm.

Impact resistance:

- Durable : ≥10g;
- Destructive : ≥100g.

Medium withstand voltage : (leak current : 1mA)

- Among contacts : > 2000 VAC(50/60 Hz 1min 60s);
- Among poles : > 4000 VAC(50/60 Hz 1min 60s);
- Between contacts and coil : > 4000 VAC(50/60 Hz 1min 60s).

Resistance to impact pulse compression :

- Among contacts : > 4kV(1.2/50us);
- Between contacts and coil : > 20kV(1.2/50us).

Insulation resistance :

- Among contacts : 1000 mΩ(500 V DC);
- Between contacts and coil : 1000 mΩ(500 V DC).

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WELDING TEMPERATURE RESISTANT

The normal temperature of the welding: $260\pm 5^{\circ}\text{C}$ $10\pm 1\text{s}$, Relay is no abnormal;
Soldering resistance : $250\pm 5^{\circ}\text{C}$ $3\pm 1\text{s}$ Terminal feet are immersion tin parts should be more than 90% covered a layer of coke in a row.

Temperature resistance

- Heat-resisting: In the 2°C temperature, place 10 H ; Room temperature recovery after 2 h relay structure and the performance without exception ;
- Cold-resistant: In the $-40\pm 2^{\circ}\text{C}$ temperature, place 2H, Room temperature recovery after 2 h relay structure and the performance without exception ;

Moisture-proof :

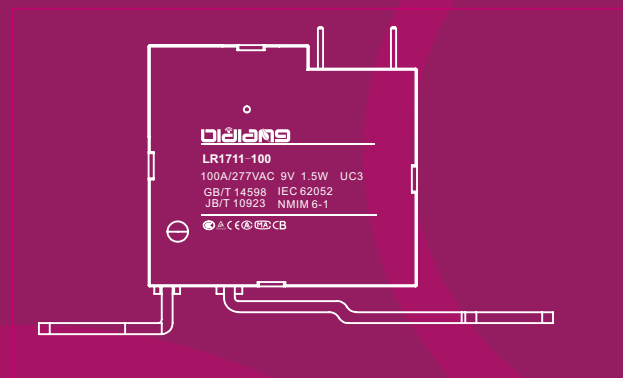
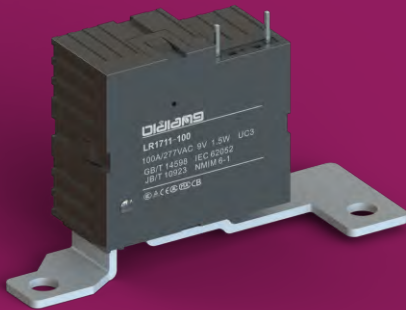
- At the $40\pm 2^{\circ}\text{C}$, relative humidity: 90%-95%, place the48H, normal temperature after 2h, relay structure, performance, without exception, and the insulation resistance is not less than $10\text{M}\Omega(500\text{VDC})$.

APPEARANCE

Color: black

Printing position: According to the installation requirements literally up.

Reference diagram:



STORAGE CONDITIONS

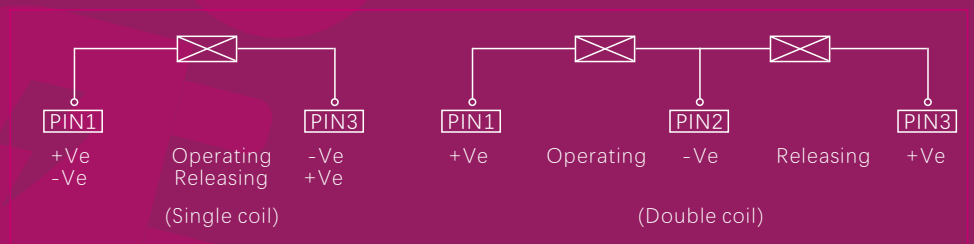
Temperature : $0^{\circ}\text{C}\sim 40^{\circ}\text{C}$
Humidity : 20%~80% RH

Environment :

- Product storage environment there can be no corrosive gas,
- Storage of products should avoid direct sunlight.

WIRING DIAGRAM

Coil control



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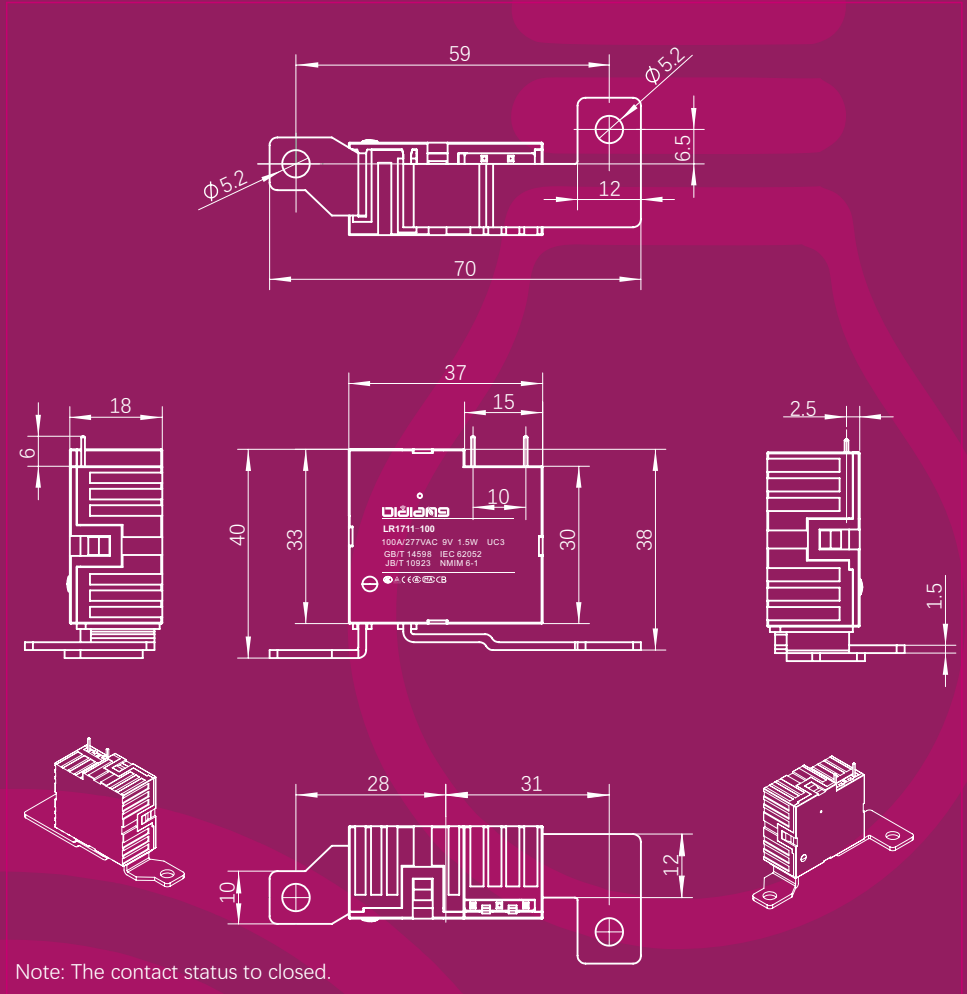
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OUTLINE SIZE AND CONNECTION DIAGRAM (mm)

Undimensioned tolerance
< 1mm:±0.2mm
1~5mm:±0.3mm
> 5mm:±0.5mm

Mounting hole size tolerance
±0.4mm



MATTERS NEEDING ATTENTION

Special told that matters :

Special requirements (such as: in strong magnetic, explosive and extreme high and low temperature more harsh environments, such as using, ultrasensitive actions, ultra low power, low resistance, high pressure, low temperature rise and other requirements, etc.) shall be negotiated in advance, communication before placing an order, otherwise in accordance with the requirements of regular supply.



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