



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

LR1717-150

Magnetic Latching Relay

150A
277VAC
9V
1.5W
UC3



ISO9001



ISO14001



OHSAS18001

GB/T 14598
GB/T 21711
JB/T 10923
IEC/EN 62052
IEC/EN 62055
NMIM 6-1



Oldiang

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LR1717-150

Magnetic Latching Relay

150A 277VAC
9VDC 1.5W
IEC 62052: UC3



FEATURES

- With UC3 standard certification;
- Low power consumption and high sensitivity;
- High capacity of contact load;
- Wildy used in energy meter and compound switch;
- Pulse driving, single and double-coil operation;
- Conform to the GB/T 14598、JB/T 10923、IEC 62052-31 and NMIM 6-1 standard;
- Ultra low temperature rise and small contact resistance;
- Comply with the RoHS environmental protection requirements.

CONTACT LOAD

Rated load (resistive) : 150A 277VAC
 Contact material : AgSnO2
 Max switching current : 150A
 Max switching voltage : 440VAC
 Max switching power : 44000VA

COIL PARAMETER

Resistance (Ω) 20°C		Rated voltage (VDC)	Rated current (ADC)	
Single coil	Double coil		Single coil	Double coil
11.1±10%	5.6±10%	5	0.45±10%	0.893±10%
16±10%	8±10%	6	0.375±10%	0.75±10%
36±10%	18±10%	9	0.25±10%	0.5±10%
64±10%	32±10%	12	0.188±10%	0.375±10%
256±10%	128±10%	24	0.094±10%	0.188±10%
1024±10%	512±10%	48	0.047±10%	0.094±10%

Operating voltage (Max.)	Releasing voltage (Max.)	Pulse width (ms)	Rated power	
70% Rated voltage	70% Rated voltage	100Min.	Single coil:1W	Double coil:2W

PERFORMANCE PARAMETER

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

Life

- Electrical life : 150A/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).

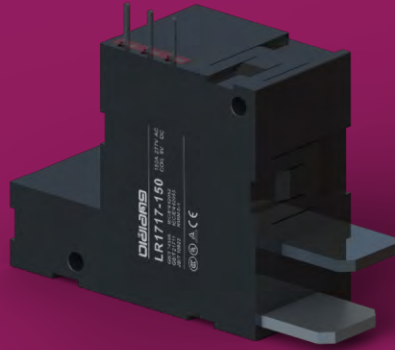
Resistance to impact pulse compression :

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

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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 :

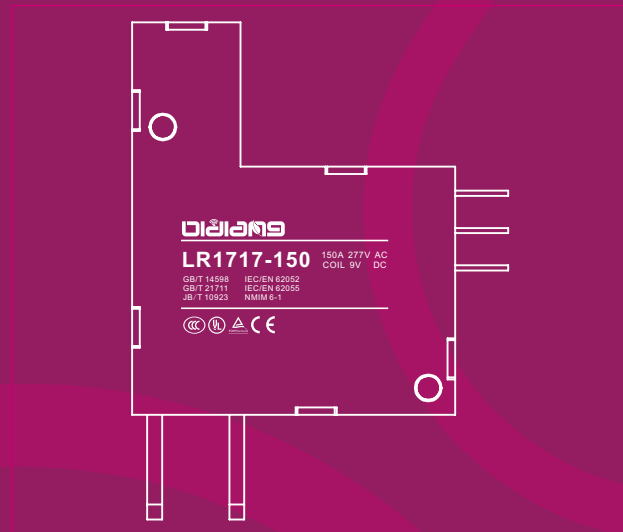
- At the $40 \pm 2^\circ\text{C}$, relative humidity: 90%-95%, place the 48H, normal temperature after 2h, relay structure, performance, without exception, and the insulation resistance is not less than $10\text{M}\Omega(500\text{VDC})$.

APPEARANCE

Color: black

Printing position: According to the installation requirements literally up.

Reference diagram:



STORAGE CONDITIONS

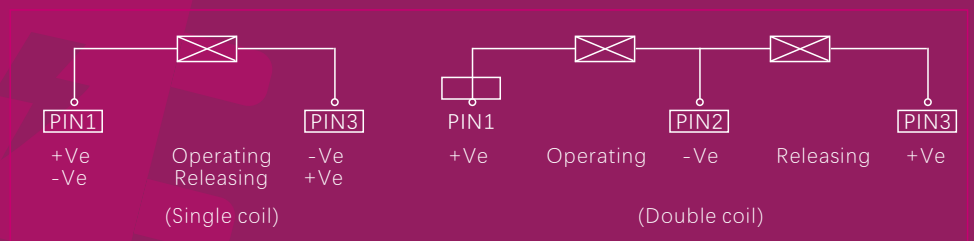
Temperature : $0^\circ\text{C} \sim 40^\circ\text{C}$
Humidity : 20%~80% RH

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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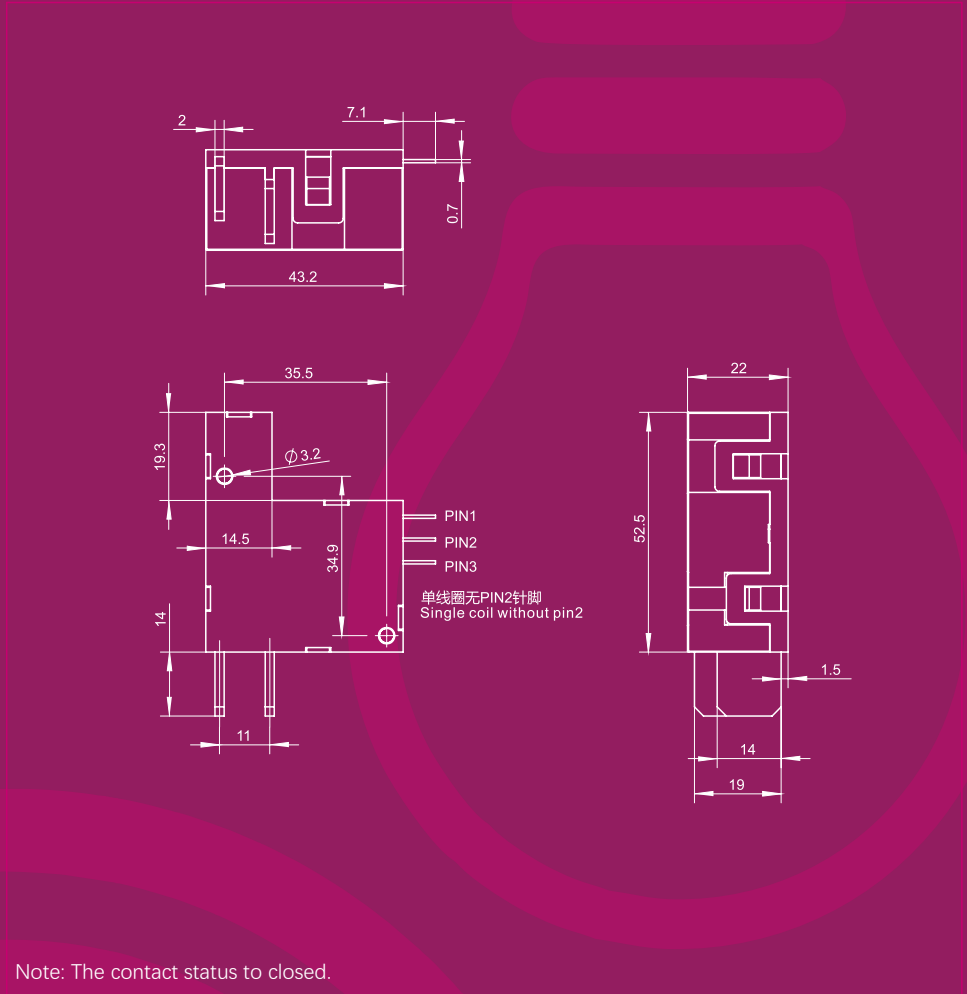
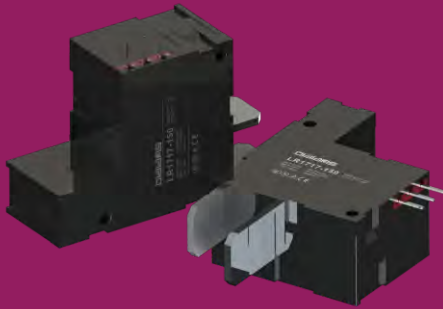
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OUTLINE SIZE AND CONNECTION DIAGRAM (mm)

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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