

Latching Relay

LLR-T-1-100-1A-12D-P-E-L



LLR - T - 1 - 100 - 1A - 12D - P - E - L

Series Name:- LLR
 Contact Terminal Type:- T
 Single Phase:- 1
 Contact rating:- 100A
 Contact Form:- 1A
 Coil:- 12D:- 12VDC Double coil
 Coil Pins Polarity:- P:- Positive(Pin1+ve, Pin3-ve, Pin2+ve)
 Internal Code:- E
 Contact Terminal Shape:- L Shape

1) Characteristic

- 100A switching capability.
- Outline size: 43.0x22.0x52.0mm.
- Strong anti-shock and anti-vibration capability.
- Low coil consumption, ultra-low temperature rise.
- Low contact resistance.
- Customized terminals like shunt, braided Cu-wire etc.

2) Specification

Insulation resistance		1000MΩ (500VDC)
Dielectric Strength	Between Coil & Contacts	4000VAC 1min
	Between Open Contacts	1800VAC 1min
Operate Time		20msec. Max.
Release Time		20msec. Max.
Shock resistance	Functional	100m/S ² (10g)
	Destructive	1000m/S ² (100g)
Vibration resistance		10~55Hz 1.5mm
Humidity		98%RH ,40°C
Ambient temperature		-40~+70°C
Termination		Fast connection
Unit weight		80g
Constrution		Dust protected

3) Contact Data

Contact form	1A/1B
Contact material	Ag Alloy
Contact resistance	Max.: 1.0 mΩ
Contact Rating	100A 250VAC
Max. Switching Power	25000VA/30000VA
Mechanical life	5×10 ⁵
Electrical life	1×10 ⁴

4) Coil Data

Coil power		Single coil: 2.3W Double coil: 4.6W	
(VDC) Rated Voltage	(VDC) Pick-up voltage	(ms) Pulse Duration	(Ω) Coil Resistance
Single coil			
9	6.75	100	35±10%
12	9	100	63±10%
24	18	100	250±10%
48	36	100	1002±10%
Double coil			
9	6.75	100	2x18±10%
12	9	100	2x31±10%
24	18	100	2x125±10%
48	36	100	2x501±10%

5) Typical Application

- Automatic Control System, AMR System, Prepayment Energy Meter, Compound Switch, etc.

6) Dimensions(mm)/ Circuit Diagram

