
leOne[®]

LLR-T-1-60-1A-12D-P-A-P

Relays

Latching Relay



LLR - T - 1 - 60 - 1A - 12D - P - A - P

Series Name:- LLR
 Contact Terminal Type:- T
 Single Phase:- 1
 Contact rating:- 60A
 Contact Form:- 1A
 Coil:- 12D:- 12VDC Double coil
 Coil Pins Polarity:- P:- Positive(Pin1+ve, Pin3-ve, Pin2+ve)
 Internal Code:- A
 Contact Terminal Shape:- P shape

1) Characteristic

- Small size, 60A switching capability.
- Low coil consumption, ultra-low temperature rise.
- Outline size: 38x30x17mm.
- Customized terminals like shunt, braided Cu-wire etc.
- Low contact resistance.
- Strong anti-shock and anti-vibration capability.

2) Specification

Insulation resistance		1000MΩ (500VDC)
Dielectric Strength	Between Coil & Contacts	4000VAC 1min
	Between Open Contacts	1500VAC 1 min
Operate Time		15msec. Max.
Release Time		15msec. 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		42g
Construction		Dust protected

3) Contact Data

Contact form	1A/1B
Contact material	Ag Alloy
Contact resistance	Max.:1.5 mΩ
Contact Rating	60A 250VAC
Max. Switching Power	15000VA
Mechanical life	5×10 ⁵
Electrical life	1×10 ⁴

4) Coil Data

Coil power		Single coil: 1.0W Double coil: 2.0W	
(VDC) Rated Voltage	(VDC) Pick-up voltage	(ms) Pulse Duration	(Ω) Coil Resistance
Single coil			
9	6.75	50	80±10%
12	9	50	144±10%
24	18	50	576±10%
48	36	50	2304±10%
Double coil			
9	6.75	50	2x40±10%
12	9	50	2x72±10%
24	18	50	2x288±10%
48	36	50	2x1152±10%

5) Typical Application

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

6) Dimensions(mm)/ Circuit Diagram

