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LY2-C DC24



Ratings / Performance

Ratings

Coil ratings	24 VDC 36.9 mA
Coil resistance	650 Ohm
Operate voltage (Set voltage)	80% Max.
Release voltage (Reset voltage)	10% Min.
Power consumption	Approx. 0.9 W
Contact Type	DPDT
Contact method	Single
Contact material	Contact body material: Ag alloy
Contact rated load	110 VAC 7 A (Inductive load(cos phi=0.4)) 110 VAC 5 A (Inductive load(cos phi=0.4)) 24 VDC 7 A (Inductive load(L/R=7ms)) 24 VDC 5 A (Inductive load(L/R=7ms))
Maximum switching voltage	250 VAC (Inductive load(cos phi=0.4)) 250 VAC (Inductive load(cos phi=0.4)) 125 VDC (Inductive load(L/R=7ms)) 125 VDC (Inductive load(L/R=7ms))
Failure rate	100mA at 5VDC (failure level: P Reference value)
Ambient humidity	Operating: 5% RH to 85% RH

Characteristics

Contact resistance	Max 100mOhm Measuring the voltage drop across the contacts by applying test voltage/current as 5VDC 1A
Operating time (set time)	25 ms Max.
Release time (Reset time)	25 ms Max.
Insulation resistance	Between coil and contacts: 100 M Ohm Min. (at 500VDC) Between contacts of different polarity: 100 M Ohm Min. (at 500VDC) Between contacts of same polarity: 100 M Ohm Min. (at 500VDC)
Dielectric strength	Between coil and contacts: 2000 VAC 50/60 Hz for 1 min (Leakage current 3mA 50/60Hz 1min) Between contacts of different polarity: 2000 VAC 50/60 Hz for 1 min (Leakage current 3mA 50/60Hz 1min) Between contacts of same polarity: 1000 VAC 50/60 Hz for 1 min (Leakage current 3mA 50/60Hz 1min)
Vibration resistance (Destruction)	10 to 55 to 10 Hz 0.5-mm single amplitude (1.0mm double amplitude)
Vibration resistance (Malfunction)	10 to 55 to 10 Hz 0.5-mm single amplitude (1.0mm double amplitude)
Shock resistance (Malfunction)	200 m/s ²
Endurance (Mechanical)	10000000 operations Min.
Endurance (Electrical)	200000 operations Min.
Applicable standard (UL)	File number: E41643
Applicable standard (CSA)	File number: LR31928
Applicable standard (Other(s))	Conform to electrical appliance and material

As of March 24, 2009

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