# MINIATURE POWER RELAY

## **FEATURES**

CONTACTS

Dielectric strength 4000 Vrms coil to contact Isolation spacing greater than 8mm
Double pole – Forms A, B and C available
10A switching
SLIMPACK™ version saves board space

Epoxy sealed version for automatic wave soldering and cleaning

Approvals/Standards include : UL, CSA, VDE, IEC, SEMKO and CEE

UL File E44211; CSA File LR85091;

VDE 4120-4940-4002/A1



## **GENERAL DATA**

Shock

Weight

#### Arrangement DPDT (2 Form C) Ratings Resistive load: Max switched power: 300W, 2770VA Max switched current: 10A, 51A for 2ms Max switched voltage: 150\*VDC / 400VAC UL Rating: 10A at 30VDC or 277VAC 0.125HP 120VAC motor load \*Note: If switching voltage is greater than 30VDC, special precautions must be taken. Please contact the factory. Material Silver cadmium oxide Resistance <30 milliohms initially (at rated current, voltage drop method)

#### COIL

Power	
At Pickup Voltage (typical)	Standard coil 337mW Sensitive coil 250mW
Max Continuous Dissipation	1.9W 20°C ambient 1.4W 40°C ambient
Temperature Rise	Standard 40°C at nominal coil voltage Sensitive 32°C at nominal coil voltage
Max Temperature	110°C

Life ExpectancyMinimum operationsMechanical30 millionElectrical1x10⁵ at10A 30VDC1x10⁵ at 10A 115VAC

Operate Time (typical) 7ms at nominal coil voltage

Release Time (typical) 2ms at nominal coil voltage (with no coil suppression)

Dielectric Strength
(at sea level for 1 min)

4000 Vrms coil to contacts
2500 Vrms contact to contact
1000 Vrms between open contacts

Insulation Resistance 10,000 megohms min at 20°C. 500VDC,

50% RH

**Dropout** Greater than 10% of nominal coil voltage

Ambient Temperature
Operating
At nominal coil voltage
Standard -55°C to 70°C
Sensitive -55°C to 80°C
Both -55°C to 110°C

Vibration

O.062" DA at 10 – 55 Hz

20g

Enclosure PBT polyester

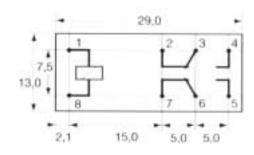
Terminals Tinned copper al

minals Tinned copper alloy, PC

20 grammes

#### **NOTES**

- 1. All values at 20°C
- 2. Relay may pull in with less than 'Must Operate' value
- 3. PCB layout viewed towards terminals
- 4. Unsealed relays should not be dip cleaned
- 5. Specifications subject to change without notice



## Logistic Design (UK) Limited