



O/E/N 93

AUTOMOTIVE POWER RELAY



FEATURES

- Miniature Power Relay
- Limiting Continuous Current 40A
- Minimal Weight
- IP67 Sealed

APPLICATION

- Power Distribution Box
- Blower Fan
- Cooling Fan
- Fuel Pump
- Glow Plug
- Start Stop

TECHNICAL DATA FOR CONTACT SIDE:

Areas of Application : **Resistive / Inductive Load**

Contact Configuration : 1 Form A (1 NO)

Contact Material : Silver Alloy

Contact Rating at 23°C- 13.5VDC : 40A

Electrical Life in No.of Operations Min. : Resistive Load
40A Make, 40A Break
>1 x 10⁵

Inductive Load
60A Make, 35A Break
>1 x 10⁵

Lamp Load
200A Make, 20A Break
>1 x 10⁵

Mechanical Life in No.of Operations Min. : 2 x 10⁶

Contact Voltage Drop at 10 A (Max.) : 30mV

Maximum Switching Current

@ 13.5 VDC for 30 msec : 250A

GENERAL DATA FOR COIL SIDE

Nominal Coil Power : 0.818 (Approx)

Operate Time : 10 milli Seconds (Typ)

Release Time : 5 milli Seconds (Typ)

OPERATING CONDITIONS

Ambient Temperature : -40°C to +85° C

Dielectric Strength

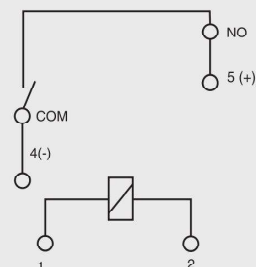
Between open contacts : 500 VRMS

Insulation Resistance : 100 Mega Ohms Min. at 500 VDC, 25°C RH 50

Vibration Resistance : 30-440Hz, 196m/s²

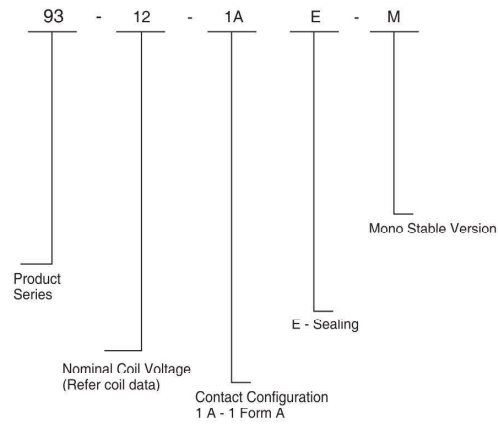
Weight : 11 gms Max.

WIRING DIAGRAM



1 Form A

HOW TO ORDER

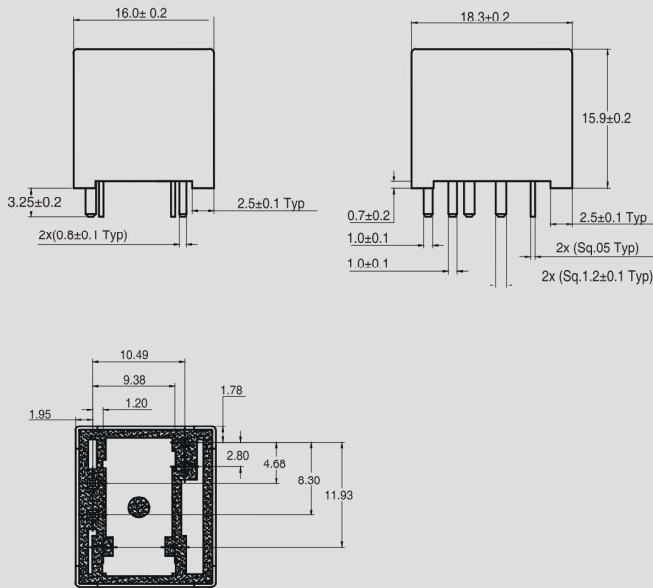


COIL DATA

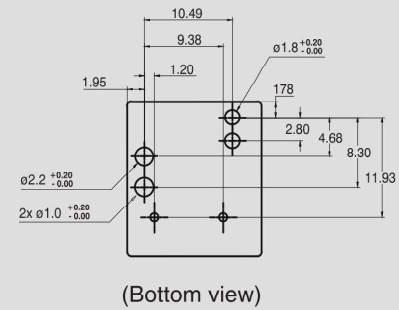
Nominal Coil Voltage VDC	**Pick up Voltage VDC(Max)	Drop Out Voltage VDC(Min)	Coil Resistance Ohms $\pm 10\%$
12	8.0	1.5	176

**Lower Pick- up voltages available on request

DIMENSIONS



DRILLING PATTERN



AVAILABLE ON REQUEST

- For custom solutions consult factory