



O/E/N 61A

AUTOMOTIVE POWER RELAY

FEATURES

- High performance
- Direct PCB mountable
- Sealed
- Small size
- Heavy duty

APPLICATION

- Power door locks
- Ventilation motors
- Body controls
- Security systems
- Seat controls

TECHNICAL DATA FOR CONTACT SIDE :

Areas of Application	Resistive / Inductive Load
Contact Configuration	: 1 Form A, 1 NO / 1 Form C, 1 CO
Contact Material	: Silver Alloy
Contact Rating at 23°C - 12VDC	: 20A/10A
Electrical Life Operations Min.	: 10 ⁷ OHMS 1 x 10 ⁵
Mechanical Life Operations Min.	: 1 x 10 ⁶
Contact Voltage Drop at 10 A (Min)	: 30mV
Maximum Switching Current	
@ 12.8 VDC For 3 Sec.	: 50A

GENERAL DATA FOR COIL SIDE

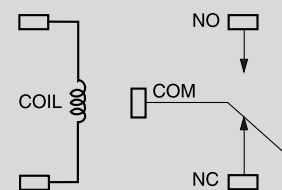
Nominal Coil Power	: 0.36W (Approx.)
Operating Power	: 0.23W (Approx.)
Operate Time*	: 10 milli Seconds max
Release Time*	: 10 milli Seconds max

* At nominal voltage without coil suppression (excluding bounce)

OPERATING CONDITIONS

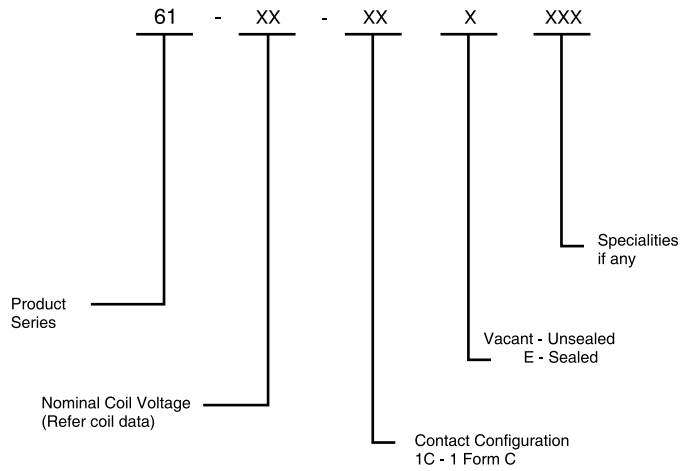
Ambient Temperature	: -40°C to +85°C
Maximum Temperature	: 125°C
Dielectric Strength	: 500VRMS
Insulation Resistance	: 100 Meg. Ohms Min. At 500 VDC, 25°C RH 50
Vibration Resistance (without change in the switching state>10μS)	: 10-50Hz 5g (min)
Shock Resistance (without change in the switching state>10μS)	: 20g, 6mS
Weight	: 12gms

CIRCUIT DIAGRAM



View : Terminal Side

HOW TO ORDER

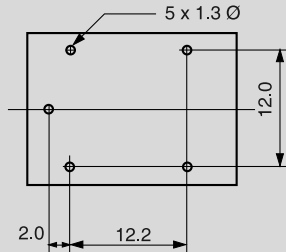


COIL DATA

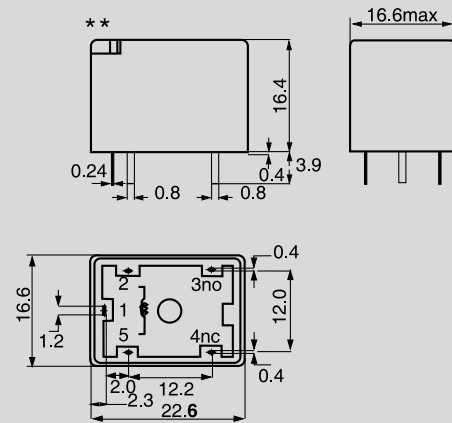
Nominal Voltage VDC	**Pick-up Voltage VDC (Max)	Drop-out Voltage VDC (Min)	Coil Resistance Ohms ± 10%
6	4.5	0.6	100
12	8	1.2	180
12	8	1.2	225
24	19	2.4	1600

**Lower pick-up Voltages available on request

DRILLING PATTERN



DIMENSIONS



** Vent tab on the cover corner should be cut off after PCB cleaning to allow ventilation during operation.

AVAILABLE ON REQUEST

- For other custom solutions consult factory