



O/E/N 84

AUTOMOTIVE POWER RELAY

FEATURES

- Enclosure IP67
- Dual contacts
- Screw type termination for contacts
- Shrouded coil terminals

APPLICATION

- Radiator cooling fan
- Oil pump
- Engine pre-heating
- Exhaust control
- Fuel pre heating
- Braking system
- Battery disconnection
- Starter solenoid

TECHNICAL DATA FOR CONTACT SIDE :

Areas of Application	Resistive / Inductive / Capacitive Loads
Contact Configuration	: 1 Form A, 1 NO
Contact Material	: Silver Nickel / Tungsten*
Contact Rating at 23°C - 13.5VDC	: 100A
24VDC	: 60A
Electrical Life Operations Min.	: 1×10^5
Mechanical Life Operations Min.	: 1×10^6
Contact Voltage Drop at (Max.)	: 2.5mV/A
Continues Carrying Current	
@ 23°C Ambient temperature	: 80A

GENERAL DATA FOR COIL SIDE

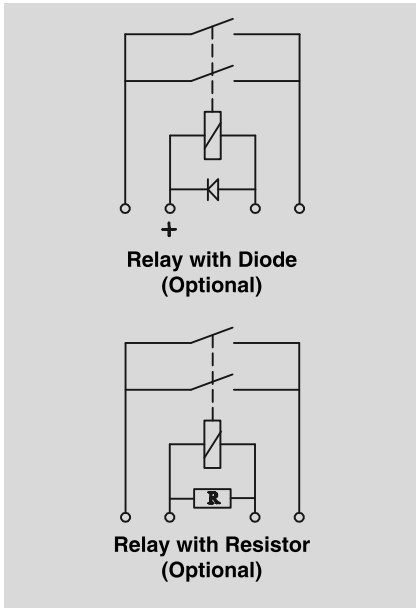
Nominal Coil Power	: 2.4W (Approx)
Operating Power	: 1.1W (Approx)
Operate Time*	: 15 milli Seconds (max.)
Release Time*	: 15 milli Seconds (max.)

* At nominal voltage without coil suppression (excluding bounce)

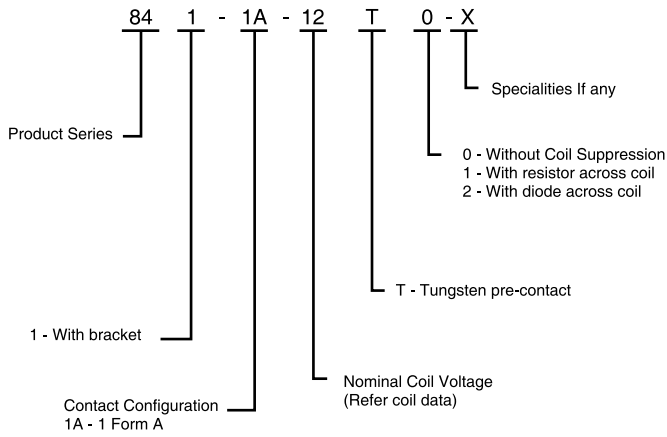
OPERATING CONDITIONS

Ambient Temperature	: -40°C to +100°C
Dielectric Strength	: 500VRMS
Insulation Resistance	: 10M Ohms Min. at 500 VDC, 25°C RH 50
Vibration Resistance (without change in the switching state>10μS)	: 10-500Hz 10g
Shock Resistance (without change in the switching state>10μS)	: 6mS min. 10g
Weight	: 95Gms

CIRCUIT DIAGRAM



HOW TO ORDER

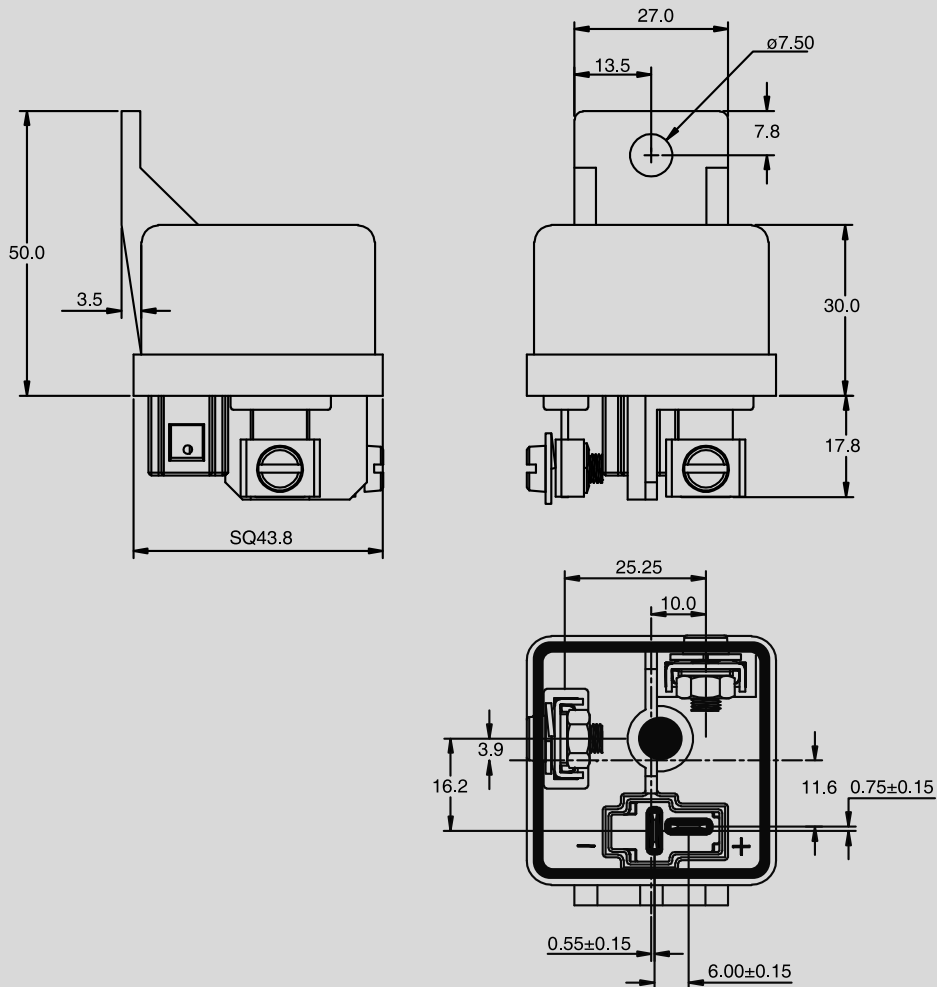


COIL DATA

Nominal Voltage V DC	*Pick Up Voltage V DC (Max)	Drop-Out Voltage V DC (Min)	Coil Resistance Ohms $\pm 10\%$
12	8	1.5	60
24	16	3.0	240
48	32.0	6.0	960

*Lower pick-up voltages available on request

DIMENSIONS



AVAILABLE ON REQUEST

- For other custom solutions consult factory