O/E/N 84

AUTOMOTIVE POWER RELAY

New

FEATURES

- Limiting continuous current upto 80A
- 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 - 13.5 VDC	:	100A
24 VDC	:	60A
Electrical Life in No. of Operations Min.	:	1×10^5
Mechanical Life in No. of Operations Min.	:	1×10^6
Contact Voltage Drop at 10 A (Max.)	:	25mV
Continuous Carrying Current		
@ 23°C Ambient temperature	:	80A

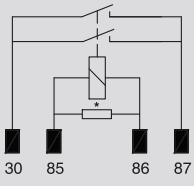
GENERAL DATA FOR COIL SIDE

Nominal Coil Power	:	2.40W (Approx)
Operate Time	:	15 milli Seconds (Typ)
Release Time	:	15 milli Seconds (Typ)

OPERATING CONDITIONS

Ambient Temperature	:	-40°C to +85°C
Dielectric Strength		
Between open contacts	:	500 VRMS
Insulation Resistance	:	100 MegaOhms Min. at 500 VDC, 25°C RH 50
Vibration Resistance	:	10-500Hz, 10g (Change in switching state not more than 10µS)
Shock Resistance	:	10g, 6mS (Change in switching state not more than 10µS)
Weight	:	95 gms Max.

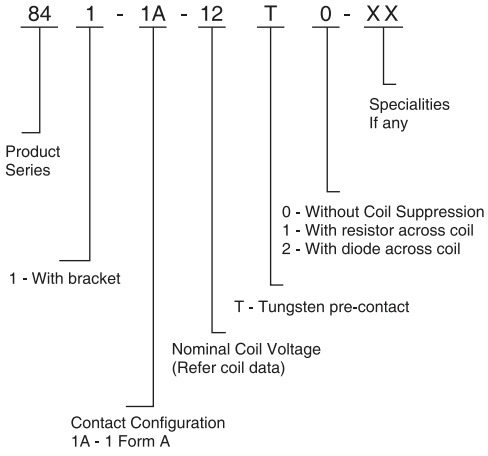
WIRING DIAGRAM



1 Form A

* Parallel resistor or Diode Optional

HOW TO ORDER

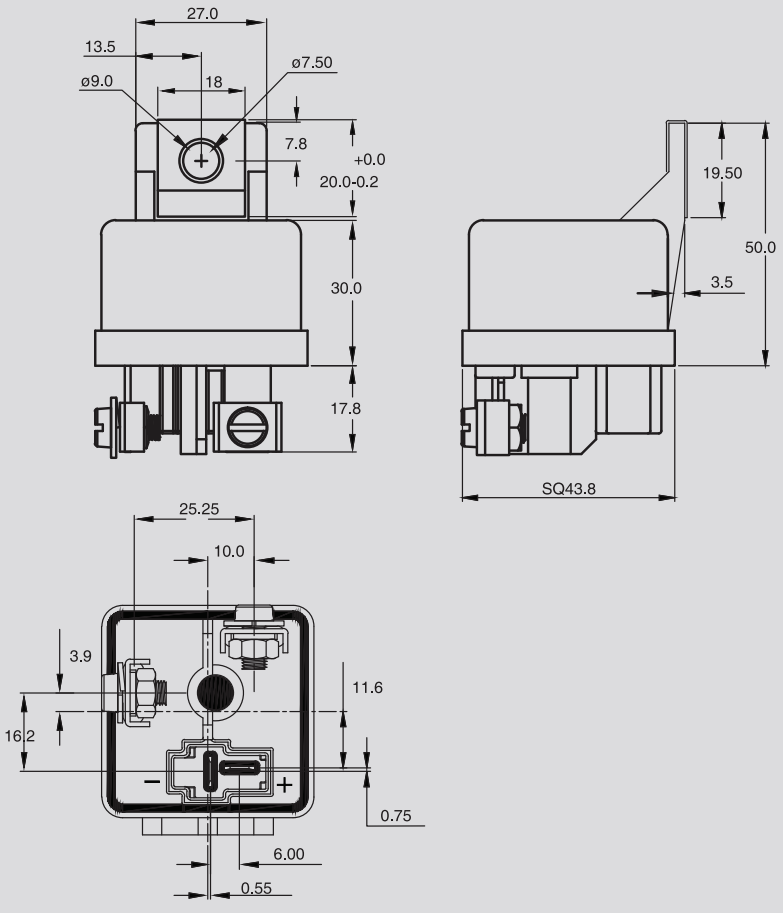


COIL DATA

Nominal Voltage V DC	**Pick Up Voltage V DC (Max)	Drop- Out Voltage V DC (Min)	Coil Resistance Ohms ±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 custom solutions consult factory