



O/E/N 84H

HIGH CURRENT RELAY

FEATURES

- Limiting continuous current upto 200A
- Enclosure IP67
- Dual contacts
- Screw type termination for contacts
- Shrouded coil terminals
- Reverse polarity protection

APPLICATION

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

TECHNICAL DATA FOR CONTACT SIDE :

Areas of Application	Resistive / Inductive / Capacitive Load
Contact Configuration	: 1 Form A, 1 NO
Contact Material	: Silver Nickel / Tungsten*
Contact Rating at 23°C - 13.5VDC	: 200A
24VDC	: 100A
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	: 200A for 5.5 Hrs.
Maximum Switching Current	: 700 A @ 13.5 VDC For 5 Sec.

*Dual contact with tungsten pre-contact / Silver Nickel main contact

GENERAL DATA FOR COIL SIDE

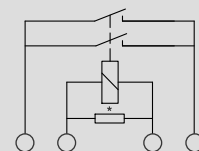
Nominal Coil Power	: 2.4W (Approx)
Operating Power	: 1.1W (Approx)
Operate Time**	: 15 milli Seconds (max.)
Release Time**	: 15 milli Seconds (max.)

* 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, 10g min.
Weight	: 100Gms

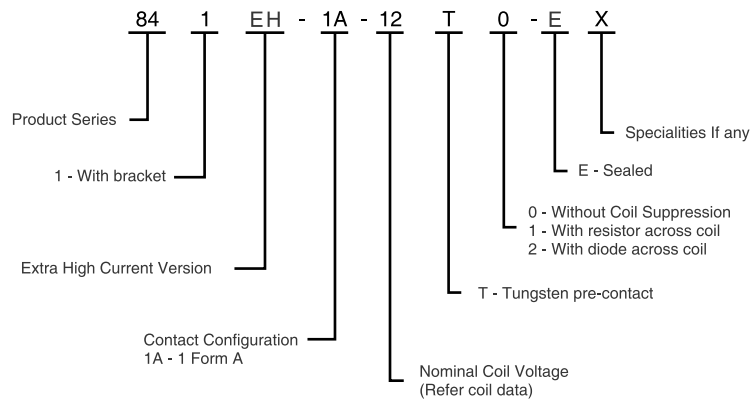
CIRCUIT DIAGRAM



1 Form A

* Parallel resistor or Diode Optional

HOW TO ORDER

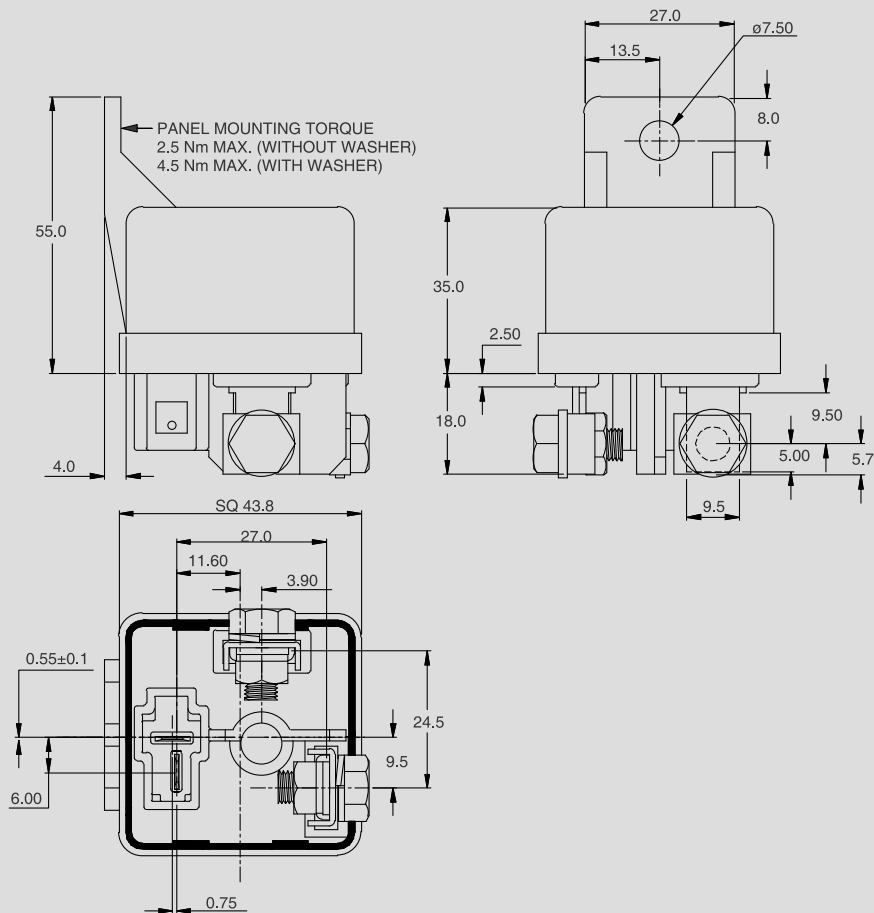


COIL DATA

Nominal Voltage V DC	***Pick Up Voltage V DC (Max)	Drop-Out Voltage V DC (Min)	Coil Resistance Ohms $\pm 10\%$
12	9.6	1.5	40
24	19.2	3	160

***At 23°C ambient temperature

DIMENSIONS



AVAILABLE ON REQUEST

● For other custom solutions consult factory