



O/E/N 83

AUTOMOTIVE LOW PROFILE MICRO RELAY



FEATURES

- Rated upto 20A
- Low profile
- Low coil power consumption
- Enclosure IP 67

APPLICATION

- ECU Controls
- Electronic fuel pump
- Lamp controls
- Starter motors
- A/C Controls
- Fan controls
- Window defogger
- Wiper controls

TECHNICAL DATA FOR CONTACT SIDE :

Areas of Application

Contact Configuration : 1 Form A (1 NO)

Contact Material : Silver Alloy

Contact Rating at 23°C-13.5VDC : 20A

Electrical Life in No. of Operations Min. : 2×10^5

Mechanical Life in No. of Operations Min. : 2.5×10^6

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

Maximum Switching Current

@ 12 VDC For 3 Sec. : 100A

Resistive / Inductive / Head Lamp / Capacitive Load

GENERAL DATA FOR COIL SIDE

Nominal Coil Power : 1.10W (Approx)

Operate Time : 10 milli Seconds (Typ)

Release Time : 7 milli Seconds (Typ)

OPERATING CONDITIONS

Ambient Temperature : -40°C to +85°C

Dielectric Strength

Between open contacts : 500 VRMS

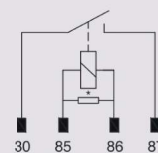
Insulation Resistance : 100 MegaOhms Min. at 500 VDC, 25°C RH 50

Vibration Resistance : 10 to 55Hz, 4.4g
(Change in switching state not more than 10μS)

Shock Resistance : 20g, 8mS
(Change in switching state not more than 10μS)

Weight : 15 gms Max.

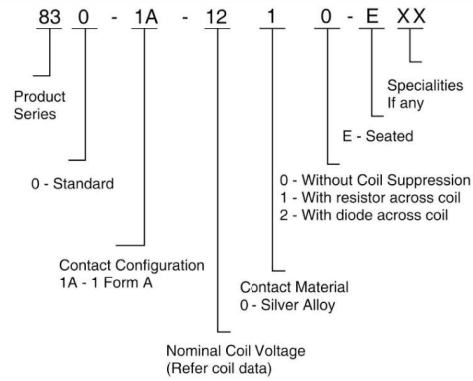
WIRING DIAGRAM



1 Form A

* Parallel resistor or diode optional

HOW TO ORDER

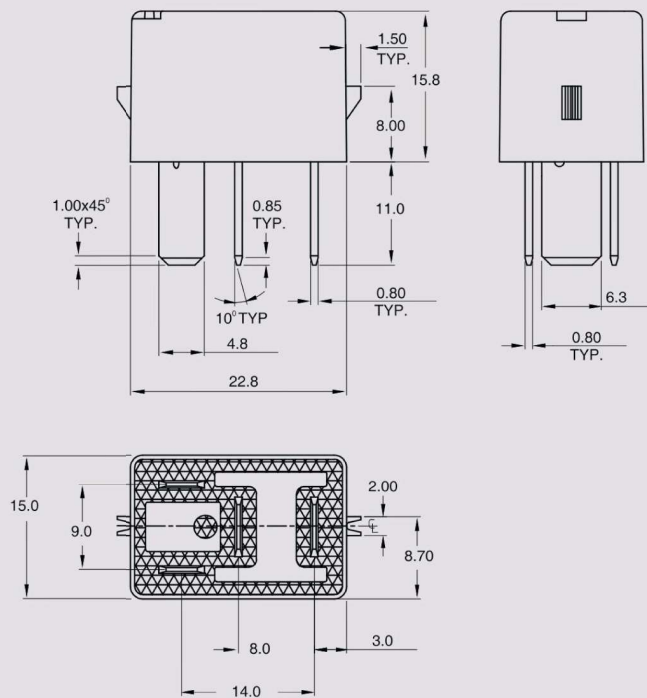


COIL DATA

Nominal Voltage V DC	**Pick Up Voltage V DC (Max)	Drop-Out Voltage V DC (Min)	Coil Resistance Ohms $\pm 10\%$
12	8.0	1.5	200
24	16.0	3.0	520

**Lower pick-up voltages available on request

DIMENSIONS



AVAILABLE ON REQUEST

- For custom solutions consult factory