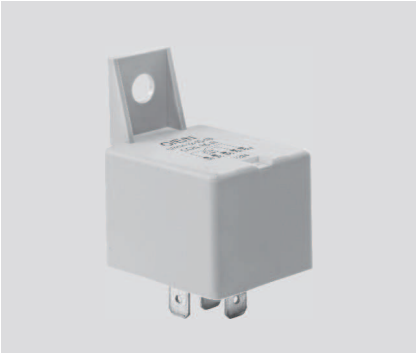


O/E/N 74H

AUTOMOTIVE POWER RELAY

New

FEATURES

- High performance
- 6.3mm flat terminals
- Suitable couplers available
- Optional sealing

APPLICATION

- Electric vehicles
- Battery chargers
- High voltage applications

TECHNICAL DATA FOR CONTACT SIDE :

Areas of Application		**Resistive / Inductive / Head Lamp / Capacitive Load**
Contact Configuration	:	1 Form A (1 NO), 1 Form C (1 CO)
Contact Material	:	Silver Alloy
Contact Rating at 23°C - 36 VDC	:	25A through NO & NC
48 VDC	:	20A through NO & NC
72 VDC	:	15A through NO & NC
110 VDC	:	7A through NO & NC
Electrical Life in No. of Operations Min.	:	1×10^5
Mechanical Life in No. of Operations Min.	:	1×10^6
Contact Voltage Drop at 20A (Max.)	:	60mV
Maximum Switching Current @ 12.8 VDC For 3 Sec.	:	120A

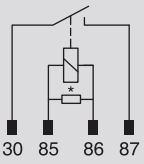
GENERAL DATA FOR COIL SIDE

Nominal Coil Power	:	1.69W (Approx)
Operate Time	:	15 milli Seconds (Typ)
Release Time	:	15 milli Seconds (Typ)

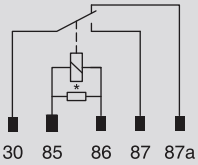
OPERATING CONDITIONS

Ambient Temperature	:	-40°C to +85°C
Dielectric Strength		
Between open contacts	:	500 VRMS
Between coil & contact	:	750 VRMS
Insulation Resistance	:	100 MegaOhms Min. at 500 VDC, 25°C RH 50
Vibration Resistance	:	10-2000Hz, 4.4g (Change in switching state not more than 10µS)
Shock Resistance	:	30g, 8mS (Change in switching state not more than 10µS)
Weight	:	65 gms Max.

WIRING DIAGRAM



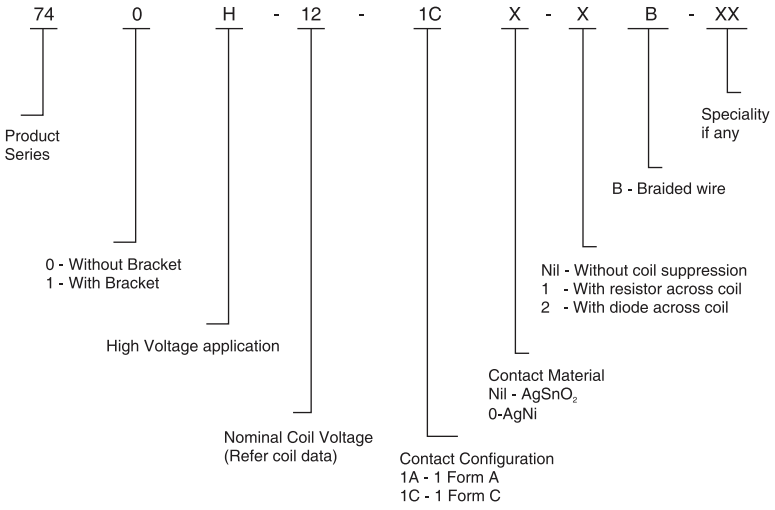
1 Form A



1 Form C

*Parallel resistor or diode optional

HOW TO ORDER



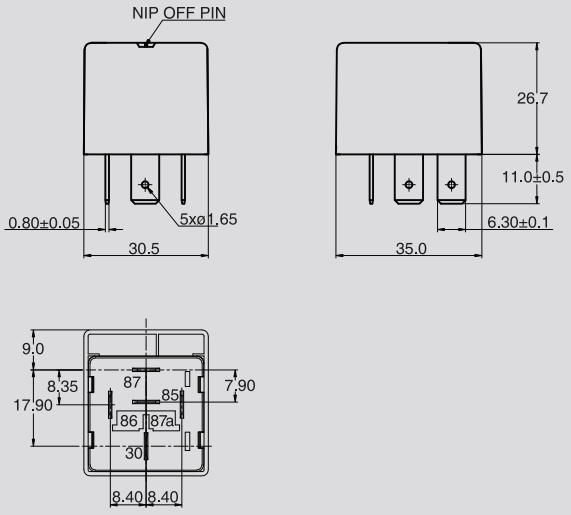
COIL DATA

Nominal Voltage VDC	**Pick-up Voltage VDC (Max)	Drop-out Voltage VDC (Min)	Coil Resistance Ohms (± 10%)
12	8.0	1.2	85
24	16.0	2.4	305

**Lower pick-up voltages available on request

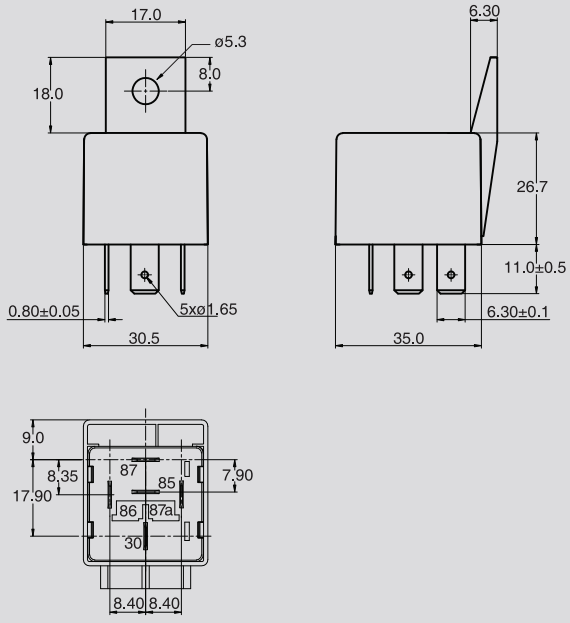
DIMENSIONS

RELAY WITHOUT BRACKET



Note : Nip - off pin may be removed after soldering and cleaning for ventilation.

RELAY WITH BRACKET



AVAILABLE ON REQUEST

- For custom solutions consult factory