

O/E/N 31H

HEAVY DUTY POWER RELAY

- Heavy Duty make, break & carry upto 10Amps
- 2 Form C and 1 Form Z version
- LED Indication (Optional)
- Dust Protected
- Din rail mounting socket

SPECIFICATIONS

Contact Arrangement	: 2 Form C, 1 Form Z
Contact Material	: Silver Alloy
Contact Rating	: Make, Break & Carry:
2 Form C	: 5 A @ 220 VDC
1 Form z	: 10 A @ 220 VDC
Max. Switching Voltage	: 220 VDC
Max. Switching Current	: 10 A
Contact Resistance Initial	: <50 m Ohms
Nominal Coil Power	: 1.1 W
Operating Power	: 0.7 W
Life Expectancy	
Mechanical	: 10^6 operations
Electrical	: 10^5 operations
Dielectric Strength	
Between coil and contacts	: 2000 VRMS
Between open contacts	: 1500 VRMS
Insulation Resistance	: 500Meg.Ohms @ 500 VDC,25°C, RH50
Operate time at nom. Volt	: 20 milli sec max
Release time at nom. Volt	: 10 milli sec max
Ambient Temperature	: -40°C to + 70° C
Weight	: 100 g

Typical applications

High Voltage DC switching

Socket Ordering Code

Din Rail Mountable 31-3591-550

Note : In case of Relay with clamping diode, take terminal 2 as positive

All dimensions are in mm. Specifications subject to change without notice.

COIL DATA

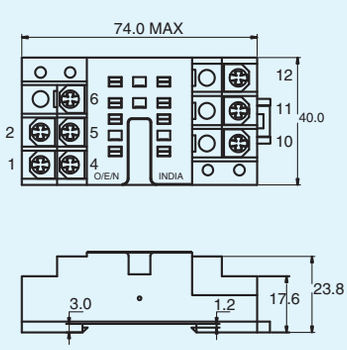
Nominal Voltage VDC	Pick-up Voltage VDC (Max)	Coil Resistance Ohms ± 10%
12	10	150
24	20	500
48	40	2250
115	90	10000
220	190	30000

AC COIL

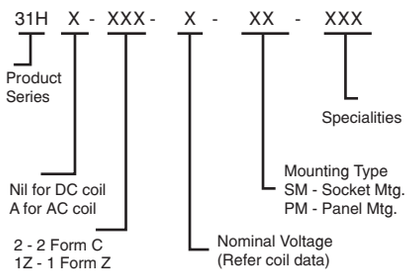
24	20	70
115	90	2000
230	190	10000

Special coils available on request*

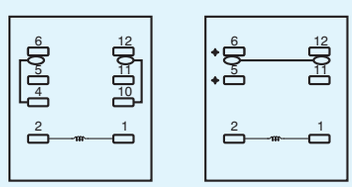
SOCKET TERMINAL LAYOUT



HOW TO ORDER

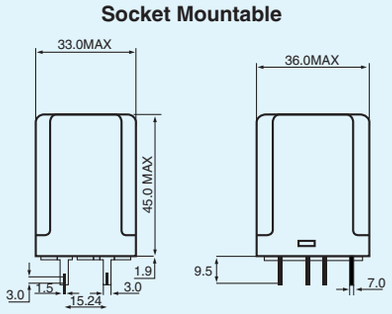


CIRCUIT DIAGRAM

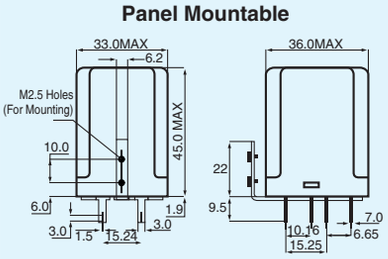


DIMENSION

Socket Mountable



Panel Mountable



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