



# O/E/N 31H

## HEAVY DUTY POWER RELAY



- Heavy duty make, carry & break upto 10 A
- 2 Form C and 1 Form Z version
- LED Indication (Optional)
- Dust Protected
- Din rail mounting socket
- Comply to IEC 60255-5

### SPECIFICATIONS

Contact Arrangement	: 2 Form C, 1 Form Z
Contact Material	: Silver alloy
Contact Rating	: Make, Carry & Break
Rated Voltage	: 220 VDC
Max. Switching Voltage	: 220 VDC
Max. Continuous Current at 220 VDC	
2 Form C	: 5 A
1 Form Z	: 10 A
Max. Power Rating	: 2200 W
Nominal Coil Power	: 1.1 W (approx)
Life Expectancy	
Electrical	: 10 <sup>5</sup> operations
Mechanical	: 10 <sup>6</sup> operations
Contact Resistance (Initial)	: 50 milli Ohms
Dielectric Strength	
Between Coil & Contact	: 2000 VRMS
Between Open Contacts	: 1500 VRMS
Insulation Resistance	: 500 MegaOhms at 500VDC, 25 <sup>o</sup> C, RH50
Operate time at Nominal Voltage	: 20 milli sec. (Typ)
Release time at Nominal Voltage	: 10 milli sec. (Typ)
Ambient Temperature	: -40 <sup>o</sup> C to +70 <sup>o</sup> C
Weight	: 100 gms (approx.)

#### Typical applications

Industrial Control, Instrumentation, Automation, Battery Chargers, Power Conditioning Equipments etc.

**Note :** In case of relay with clamping diode take terminal 2 as positive.

All dimensions are in mm. Specifications subject to change without notice. Tolerance unless otherwise specified is ± 10%.

### COIL DATA

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

#### DC COIL DATA

12	10	150
24	20	500
48	40	2250
115	90	10000
220	190	30000

#### AC COIL DATA

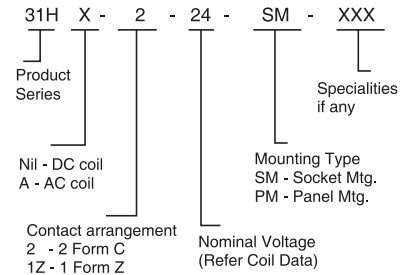
24	20	70
115	90	2000
230	190	10000

Special coils available on request

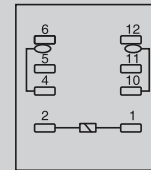
### SOCKET ORDERING CODE

Din rail mounting type 31-3591-550

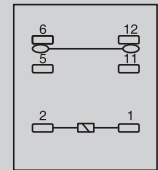
### HOW TO ORDER



### WIRING DIAGRAM



2 Form C



1 Form Z

### DIMENSIONS

