



# O/E/N 31- 3R/4R

## MEDIUM POWER INDUSTRIAL RELAY

- Compact High Performance
- Direct Panel Mounting Facility
- 2 Form C & 3 Form C Contacts
- Optional Free wheeling diode
- DIN Rail Mounting Socket available
- LED Indication Optional

### SPECIFICATIONS

Contact Arrangement	: 2 Form C, 3 Form C
Contact Material	: Silver alloy
Contact Rating	
Rated Voltage	: 230 VAC/24 VDC
Max. Switching Voltage	: 440 VAC/220 VDC
Max. Continuous Current at 230 VAC/24 VDC	: 10 A
Max. Power Rating	: 2500 VA
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 Contact & Coil	: 2000 VRMS
Between Open Contacts	: 1500 VRMS
Insulation Resistance	: 500 MegaOhms at 500VDC, 25 <sup>0</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>0</sup> C to +70 <sup>0</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

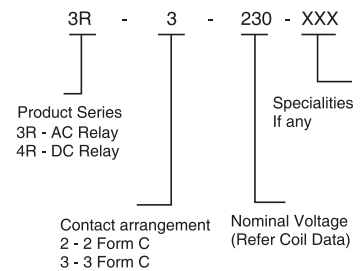
Nominal Voltage	4R		3R	
	Pick-up Voltage VDC	Coil Resistance Ohms ± 10%	Pick-up Voltage VAC	Coil Resistance Ohms ± 10%
6	5.0	30	5.0	4
12	10.0	150	10.0	16
18	15.0	390	15.0	40
24	20.0	500	20.0	70
48	40.0	2250	40.0	300
60	48.0	3000	48.0	650
115	90.0	10000	90.0	2000
230	190.0	30000	190.0	10000

### SOCKET ORDERING CODE

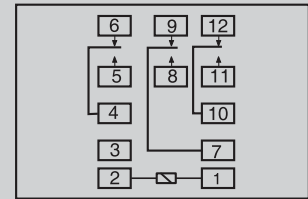
Din rail mounting type

2/3 Form C Relay 31 - 9700 - 310

### HOW TO ORDER



### WIRING DIAGRAM



### DIMENSIONS

