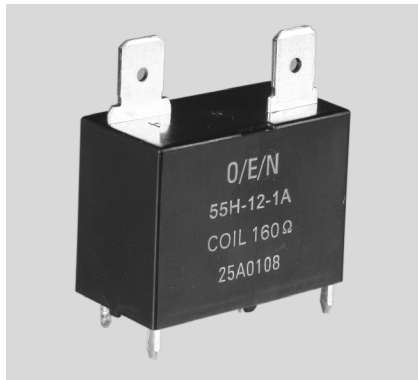




## O/E/N 55H

### MINIATURE POWER RELAY

- Compact High Performance
- Direct PCB type
- High Capacity
- Spade Terminals for Power Out put

#### SPECIFICATIONS

|                                            |                                                   |
|--------------------------------------------|---------------------------------------------------|
| Contact Arrangement                        | :1 Form A                                         |
| Contact Material                           | : Silver alloy                                    |
| Contact Rating                             |                                                   |
| Rated Voltage                              | :230 V AC/24 VDC                                  |
| Maximum Voltage                            | :250 V AC/30 V DC                                 |
| Maximum Continuous Current at 230VAC/24VDC | :25A                                              |
| Maximum Power Rating AC Voltage            | :6250VA                                           |
| Nominal Coil Power                         | :0.5W (approx)                                    |
| Operating Power                            | :0.36W (approx)                                   |
| Life Expectancy                            |                                                   |
| Mechanical                                 | :1 x 10 <sup>6</sup> operations                   |
| Electrical                                 | :1 x 10 <sup>5</sup> operations at rated load     |
| Operating frequency                        | :20 CPM                                           |
| Contact Resistance (Initial)               | :50 milli Ohms                                    |
| Dielectric Strength                        |                                                   |
| Between Contacts & Coil                    | :2000 VRMS                                        |
| Between Open Contacts                      | :1000 VRMS                                        |
| Insulation Resistance                      | :1000 Meg.Ohms at 500VDC, 25 <sup>0</sup> C, RH50 |
| Operate time at Nominal Voltage            | :15 milli sec.(Typ)                               |
| Release time at Nominal Voltage            | :10 milli sec.(Typ)                               |
| Ambient Temperature                        | : -40 <sup>0</sup> C to +50 <sup>0</sup> C        |
| Weight                                     | :35 gms (Max)                                     |

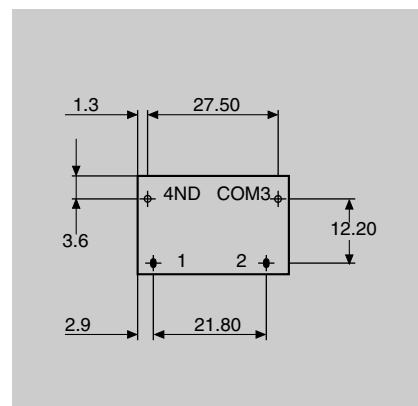
#### Typical applications

Microwave Ovens, Refrigerators, Air Conditioners, Temperature Controllers, UPS etc.

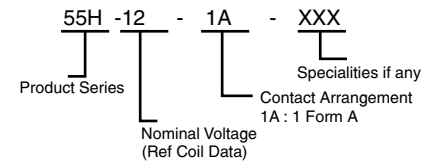
#### COIL DATA

| Nominal Voltage VDC | Pick-up Voltage VDC (Max.) | Drop - out Voltage VDC (Min) | Coil Resistance Ohms $\pm 10\%$ |
|---------------------|----------------------------|------------------------------|---------------------------------|
| 12                  | 9.6                        | 1.2                          | 160                             |
| 24                  | 19.2                       | 2.4                          | 640                             |

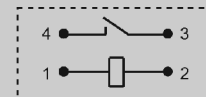
#### DRILLING PATTERN



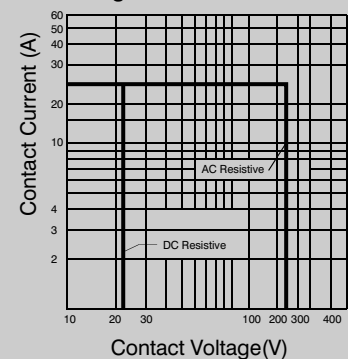
#### HOW TO ORDER



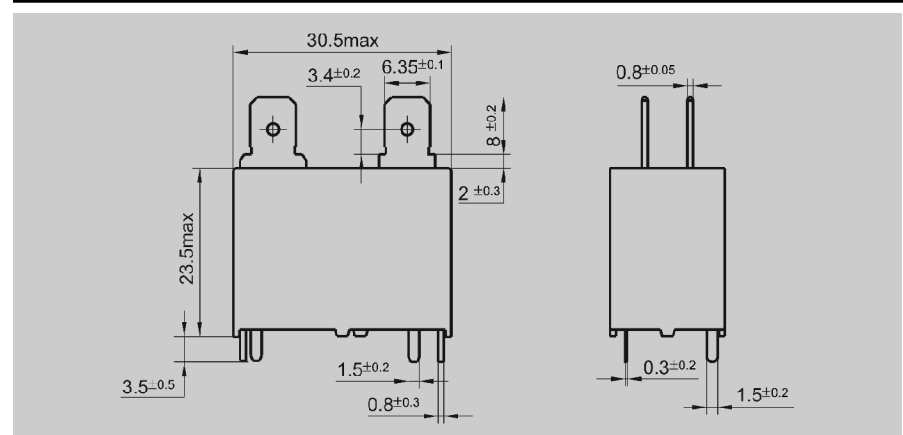
#### CIRCUIT DIAGRAMS



#### Limiting Curve for Power Load



#### DIMENSIONS



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