

# O/E/N 59

## MINIATURE POWER RELAY

- International Standard Foot Print
- Compact High Performance
- Direct PCB type
- Dust Protected
- With Technical assistance from Tyco, Germany
- UL Approval for 1 Form A&C Relays (Including K Type)
- Suitable DIN Rail and PCB Sockets Available

### SPECIFICATIONS

Contact Arrangement	:1 Form A, 1 Form C, :1 Form A / 1 Form C. (K type) :2 Form A / 2 Form C.
Contact Material	:Silver Alloy
Contact Rating	
Rated Voltage	:230 VAC/24 VDC
Maximum Voltage	:230VAC/220VDC
Maximum Continuous Current at 230VAC/24VDC	
1 Pole K Type	:16A
1 Pole (Standard)	:10A
2 Pole	:5 A
Nominal Coil Power	:0.5W (approx)
Operating Power	:0.36W (approx)
Life Expectancy	
Mechanical	:10 <sup>7</sup> operations
Electrical	:10 <sup>5</sup> operations
Contact Resistance (Initial)	:50 milli Ohms
Dielectric Strength	
Between Contacts & Coil	:4000 VRMS
Between Open Contacts	:1000 VRMS
Insulation Resistance	:500 Meg.Ohms at 500VDC, 25 <sup>0</sup> C, RH50
Operate time at Nominal Voltage	:8 milli sec.(Typ)
Release time at Nominal Voltage	:3 milli sec.(Typ)
Ambient Temperature	:-45 <sup>0</sup> C to +80 <sup>0</sup> C
Weight	:20 gms (approx)

For Suitable Sockets Refer Socket Section

#### Typical applications

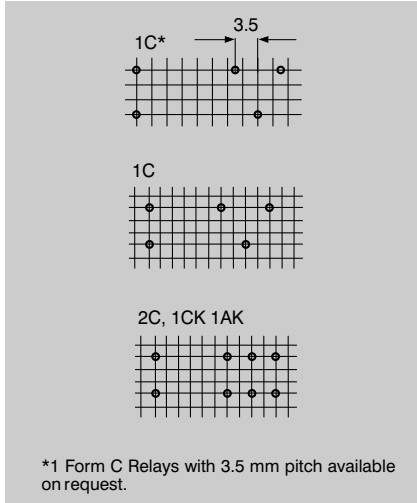
Industrial Electronics, PLCs, Timers, Office Automation, UPS, Home Appliances

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

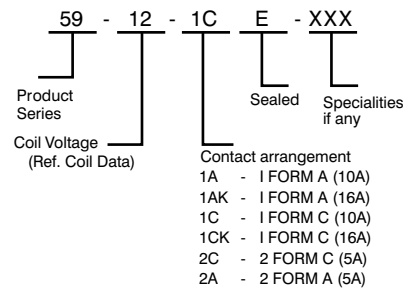
### COIL DATA

Nominal Voltage VDC	Pick-up Voltage VDC (Max)	Drop-out Voltage VDC (Min)	Coil Resistance at 20 <sup>0</sup> Ohms ± 10%
6	4.40	0.6	70
12	8.80	1.2	270
24	17.50	2.4	1100
48	35.00	4.8	3300

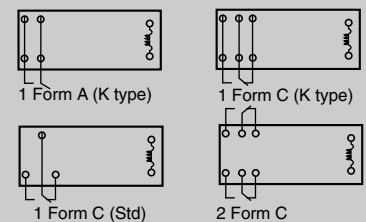
### DRILLING PATTERN



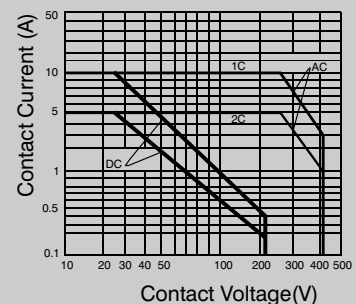
### HOW TO ORDER



### CIRCUIT DIAGRAMS



#### Limiting Curve for Power Load



### DIMENSIONS

