

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 ⁷ operations |
| Electrical | :10 ⁵ 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 ^o C, RH50 |
| Operate time at Nominal Voltage | :8 milli sec.(Typ) |
| Release time at Nominal Voltage | :3 milli sec.(Typ) |
| Ambient Temperature | :-45 ^o C to +80 ^o C |
| Weight | :20 gms (approx) |

For Suitable Sockets Refer Socket Section

Typical applications

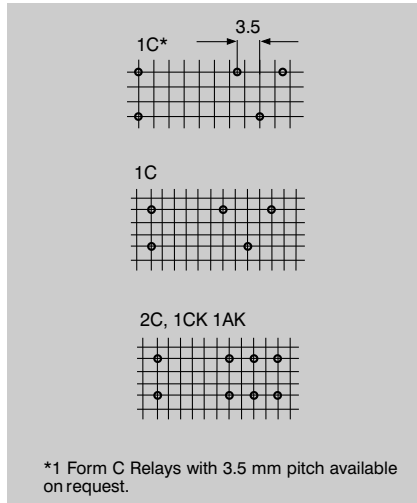
Industrial Electronics, PLCs, Timers, Office Automation, UPS, Home Appliances

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

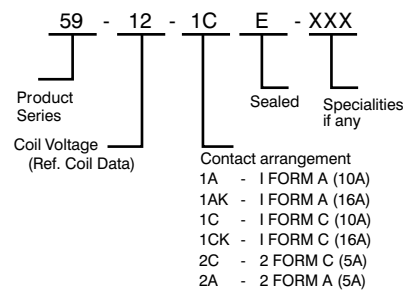
COIL DATA

| Nominal Voltage VDC | Pick-up Voltage VDC (Max) | Drop-out Voltage VDC (Min) | Coil Resistance at 20 ^o C 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 |

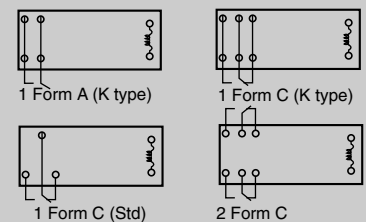
DRILLING PATTERN



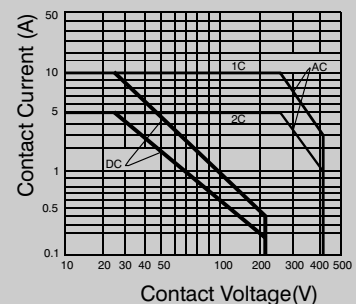
HOW TO ORDER



CIRCUIT DIAGRAMS



Limiting Curve for Power Load



DIMENSIONS

