



O/E/N 58

MINIATURE POWER RELAY

- International Standard Foot Print
- Compact High Performance
- High Capacity
- Dust Protected / Sealed Version
- CSA Certified (File No. 106405-1)
- 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 C |
| Contact Material | : Silver Alloy |
| Contact Rating | |
| Rated Voltage | : 230 VAC/28 VDC |
| Maximum Voltage | : 440 VAC/220 VDC |
| Maximum Continuous Current at 230VAC/24VDC | |
| 1 Form A (K type) | : 16 A |
| 1 Form C (K type) | : 10A (NC) / 16A (NO) |
| 1 Form C (Std) | : 10A |
| 2 Form C | : 5A |
| Maximum Power Rating AC Voltage (1CK/1C/2C) | : 3680/2500/1150 VA |
| Nominal Coil Power | : 0.5W (approx) |
| Operating Power | : 0.32W (approx) |
| Life Expectancy | |
| Mechanical | : 10^6 operations |
| Electrical | : 10^5 operations at rated load |
| Contact Resistance(Initial) | : 100 milli Ohms |
| Dielectric Strength | |
| Between Open Contacts & Coil | : 5000 VRMS |
| Between Open Contacts | : 750 VRMS |
| Insulation Resistance | : 500 Meg.Ohms at 500VDC, 25°C, RH50 |
| Operate time at Nominal Voltage | : 18 milli sec.(Typ) |
| Release time at Nominal Voltage | : 8 milli sec.(Typ) |
| Ambient Temperature | : -40° C to $+70^{\circ}$ C |
| Weight | : 18 gms (approx) |

For Suitable Sockets Refer Socket Section

Typical applications

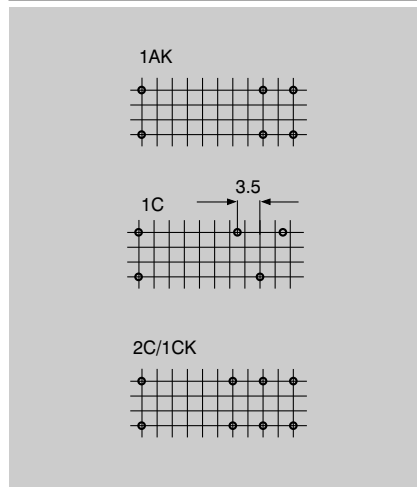
Industrial Electronics, PLCs, Timers, Office Automation, UPS, Home Appliances.

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

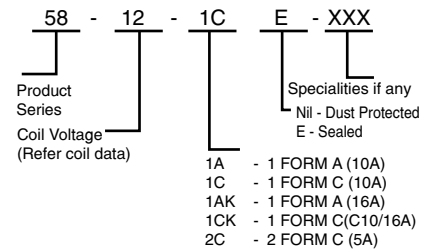
COIL DATA

| Nominal Voltage VDC | Pick-up Voltage VDC (Max) | Drop-out Voltage VDC (Min) | Coil Resistance at 20°C Ohms $\pm 10\%$ |
|---------------------|---------------------------|----------------------------|---|
| 5 | 4.00 | 0.5 | 50 |
| 6 | 4.80 | 0.6 | 72 |
| 9 | 7.20 | 0.9 | 160 |
| 12 | 9.60 | 1.2 | 285 |
| 18 | 14.40 | 1.8 | 640 |
| 24 | 19.20 | 2.4 | 1150 |
| 48 | 38.40 | 4.8 | 3300 |

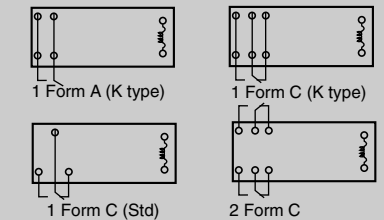
DRILLING PATTERN



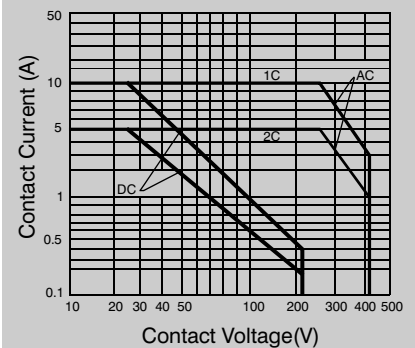
HOW TO ORDER



CIRCUIT DIAGRAMS



Limiting Curve for Power Load



DIMENSIONS

