



# O/E/N 58

## MINIATURE POWER RELAY

- Available in both AC (1 Form C ) & DC Version
- International Standard Foot Print
- Compact High Performance
- High Capacity
- Dust Protected / Sealed Version
- Sockets available

### SPECIFICATIONS

Contact Arrangement	: 1 Form A, 1 Form C 1 Form A (K type) 1 Form C (K type) 2 Form C
Contact Material	: Silver Alloy
Contact Rating	
Rated Voltage	: 230 VAC/28 VDC
Max. Switching Voltage	: 440 VAC/220 VDC
Max. Continuous Current at 230 VAC/28 VDC	
1 Form A (K type)	: 16 A
1 Form C (K type)	: 16 A (NO)/10 A (NC)
1 Form C (Std)	: 10 A
2 Form C	: 5 A
Max. Power Rating	
1 Form C (K type)	: 4000 VA
1 Form C	: 2500 VA
2 Form C	: 1250 VA
Nominal Coil Power	: 0.50 W (approx)
Life Expectancy	
Electrical	: $10^5$ operations
Mechanical	: $10^6$ operations
Contact Resistance (Initial)	: 100 milli Ohms
Dielectric Strength	
Between Contact & Coil	: 5000 VRMS
Between Open Contacts	: 750 VRMS
Insulation Resistance	: 500 MegaOhms at 500VDC, 25°C, RH50
Operate time at Nominal Voltage	: 15 milli sec. (Typ)
Release time at Nominal Voltage	: 10 milli sec. (Typ)
Ambient Temperature	: -40°C to +70°C
Weight	: 18 gms (approx)

For Suitable Sockets Refer Socket Section

#### Typical applications

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

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

\* Please check availability before Designing- In AC Coil Voltages

### COIL DATA

Nominal Voltage V	Pick-up Voltage V	Drop-out Voltage V	Coil Resistance 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
60	48.0	6.0	7200

#### DC COIL DATA

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
60	48.0	6.0	7200

#### AC COIL DATA (FOR 1 FORM C ONLY)\*

12	9.6	3.6	65
24	19.0	7.2	260
110	88.0	33.0	4600
230	184.0	69.0	26850

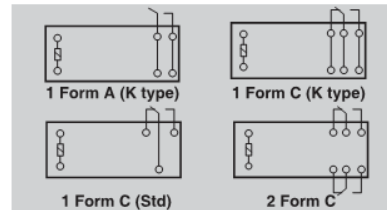
### HOW TO ORDER

58 X - 12 - 1C - XXX

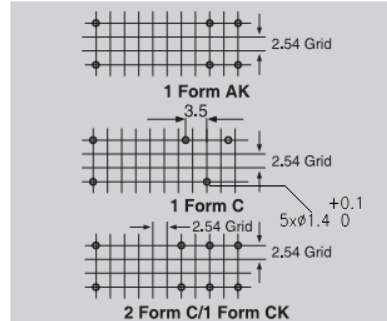
Product Series	12	1C	XXX
Nil - DC Coil			Specialities if any
*A - AC Coil			
Nominal Voltage (Refer Coil Data)			
	1A	- 1 Form A	
	1C	- 1 Form C	
	1AK	- 1 Form AK	
	1CK	- 1 Form CK	
	2C	- 2 Form C	

\* AC Coil only for 1 Form C

### WIRING DIAGRAM



### DRILLING PATTERN



### DIMENSIONS

