



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)*

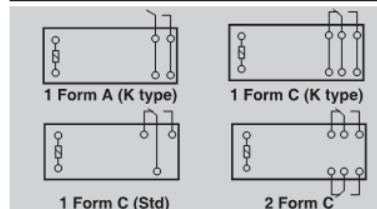
12	9.6	3.6	65
24	19.0	7.2	260
110	88.0	33.0	4600
230	184.0	69.0	26850

HOW TO ORDER

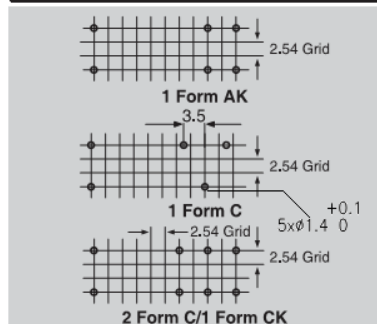
58 X	-	12	-	1C	-	XXX
Product Series						Specialities if any
Nil - DC Coil				1A - 1 Form A		
*A - AC Coil				1C - 1 Form C		
				1AK - 1 Form AK		
				1CK - 1 Form CK		
				2C - 2 Form C		

* AC Coil only for 1 Form C

WIRING DIAGRAM



DRILLING PATTERN



DIMENSIONS

