



O/E/N 87

ICE CUBE STYLE INDUSTRIAL RELAY



- Mechanical Flag Indication
- Lockable Test Button
- LED & Free Wheeling Diode across Coil
- Compact High Performance
- Din Rail Mounting Sockets Available
- Comply to IEC 60255-27

SPECIFICATION

Contact Arrangement	: 4 Form C, 2 Form C
Contact Material	: Silver Alloy
Contact Rating	
Rated Voltage	: 250 VAC/ 28 VDC
Max Switching Voltage	: 250 VAC/ 220 VDC
Max. Continuous Current at 250 VAC/ 28 VDC	
4 Form C/ 2 Form C	: 6 A
4 Form C/ 2 Form C (S version)	: 3 A
(*S Version under Introduction)	
Max. Power Rating	
4 Form C/ 2 Form C	: 1500 VA
4 Form C/ 2 Form C (S Version)	: 750 VA
Life Expectancy	
Electrical	: 10 ⁵ Operations
Mechanical	: 10 ⁷ Operations
Contact Resistance(Initial)	: 100 milli Ohms
Dielectric Strength	:
Between Contact & Coil	: 2500 VRMS
Between Open Contacts	: 1200 VRMS
Insulation Resistance	: 100 Mega Ohms at 500 VDC, 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	: 30 gms(approx)

Typical Applications

Industrial Controls, Office Automation, PLCs, Timers etc.
 All dimensions are in mm, Specification subject to change without notice. Tolerance unless otherwise specified is ± 10 %.

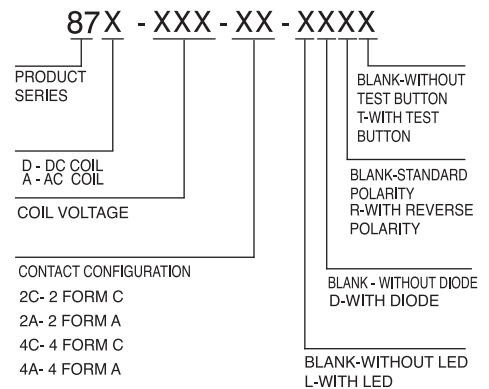
COIL DATA

Nominal Coil Voltage	DC			
	Coil Res.	Must Operate Voltage (VDC)	Must Release Voltage (VDC)	Rated coil Power (mW)
6	48	4.8	0.6	750
12	192	9.6	1.2	750
24	777	19.2	2.4	741
48	3072	38.4	4.8	750
110	16133 ⁽¹⁾	88.0	11.0	750
220	40000 ⁽¹⁾	176	22.0	1210

AC				
VAC	Ohms	VAC	VAC	VA
12	48	9.6	3.6	1.0
24	192	19.2	7.2	1.0
48	777	38.4	14.4	1.0
110	4845 ⁽¹⁾	92.0	34.5	1.0
230	19465 ⁽¹⁾	184	69.0	1.0

(1)-Tolerance is ± 15%

HOW TO ORDER

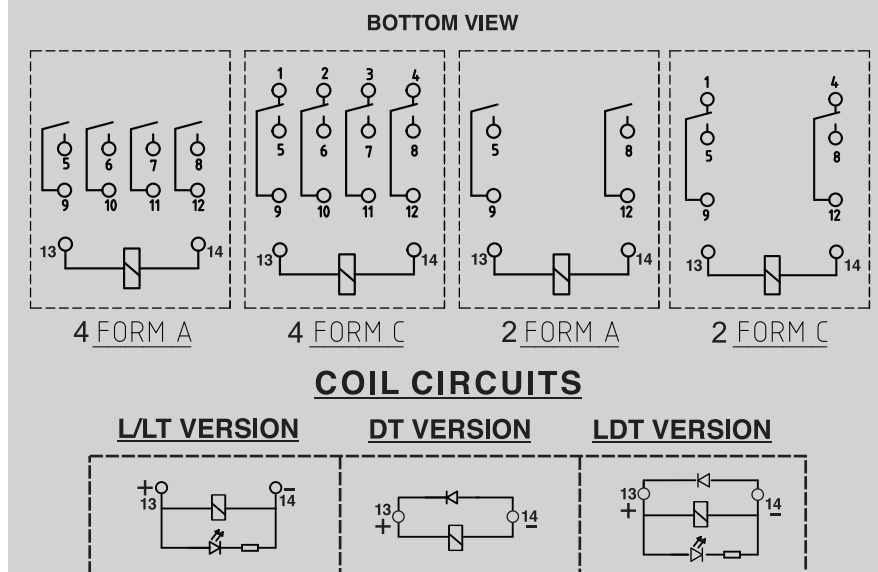


SOCKET ORDERING CODE

Din Rail Mounting Type

4 Form C 87-9700-100
 2 Form C 87-9900-100

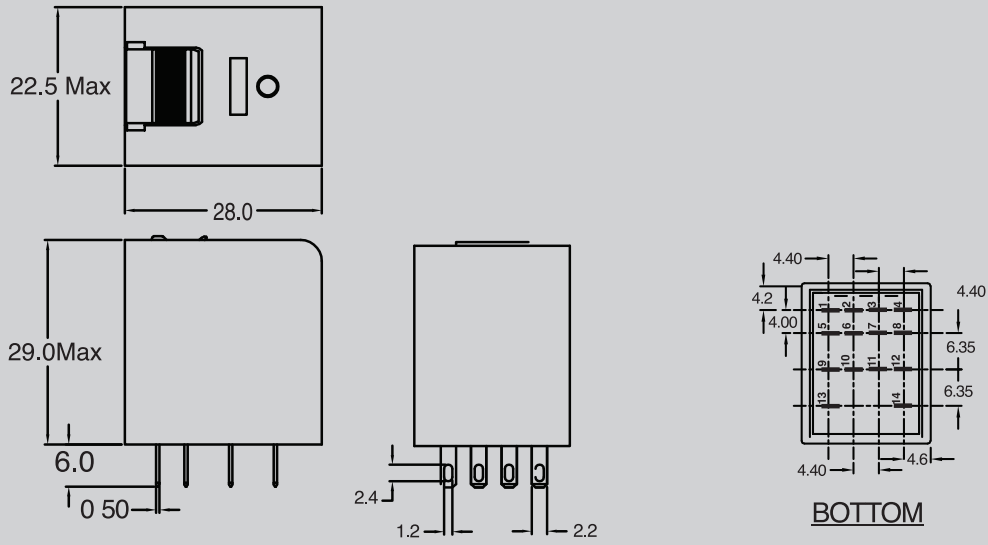
WIRING DIAGRAM



Note : Reverse Polarity Option Available with 13(-) & 14(+)

DIMENSIONS

4 Pole Version Relays



2 Pole Version Relays

