

FEATURES

BENEFITS

DPDT & 3PDT, 12 AMPS

UL US
UL Recognized
File No. E43641

SA 40787

UL LISTED 367G
IND. CONT. EQ.
C US

CE

COMPLIES WITH REQUIREMENTS OF

* IEC STANDARDS 947-4-1 AND 947-5-1 LOW VOLTAGE DIRECTIVE

* IEC = INTERNATIONAL ELECTROTECHNICAL COMMISSION

* CE TESTING AND EVALUATION PERFORMED BY THE UNDERWRITERS LABORATORIES AS A THIRD PARTY PARTICIPANT

WHEN USED WITH SOCKETS
70-464-1, 70-465-1,
70-750D8-1 OR
70-750D11-1

CURRENT LIMITED TO RATING OF RELAY OR SOCKET WHICHEVER IS LESS

- FLAG INDICATOR:** SHOWS RELAY STATUS IN MANUAL OR POWERED CONDITION.
- BI - POLAR L.E.D. STATUS LAMP:** SHOWS COIL "ON" OR "OFF" STATUS. IDEAL IN LOW LIGHT CONDITIONS.
- PUSH BUTTON:** ALLOWS FOR MANUAL OPERATION OF RELAY WITHOUT THE NEED FOR COIL POWER. IDEAL FOR FIELD SERVICE PERSONNEL TO TEST CONTROL CIRCUITS.
- LOCK-DOWN DOOR:** WHEN ACTIVATED, HOLDS PUSH BUTTON AND CONTACTS IN THE OPERATE POSITION. EXCELLENT FOR ANALYZING CIRCUIT PROBLEMS.
- FINGER-GRIP COVER:** ALLOWS OPERATOR TO REMOVE RELAYS FROM SOCKETS MORE EASILY THAN CONVENTIONAL RELAYS.
- I.D. TAG/WRITE LABEL:** USED FOR IDENTIFICATION OF RELAYS IN MULTI - RELAY CIRCUITS.

GENERAL SPECIFICATIONS

MANUFACTURED UNDER
ISO 9002 & QS 9000

COIL

- Pull-in Voltage: 80% of nominal voltage or less for DC coils, 85% of nominal voltage or less for AC coils
- Dropout Voltage: DC-10%, AC-30% of nominal voltage or more
- Max. Voltage: 110%
- Resistance: ±10% measured @ 25°C
- Coil Power: 1.4 watts DC. 2 VA to 3.55 VA (60Hz) AC. @ 25°C
- Insulation System: Class "B" (130°C per UL standard 1446)
- Max. Coil Dissipation: 3.0 watts DC. 3.4 VA (60Hz) AC. @ 25°C
- Duty: Continuous

CONTACTS

- Contact Material: Silver alloy, gold flashed
- Contact Rating: 12 amps, 120 / 240 VAC 50/60Hz, 12 amps, 28 VDC
1/3Hp 120 VAC, 1/2Hp 240 VAC
- Contact Resistance: 50 milliohms max. @ 10 amps, 120 VAC or 24 VDC contacts conditioned for 50 make and break, operations @ 1 second "ON" & 1 second "OFF"

DIELECTRIC STRENGTH

- Contacts to Coil: 2500 V rms
- Across open Contacts: 1500 V rms
- Pole to Pole: 2500 V rms
- Contacts to Frame: 2500 V rms
- Insulation Resistance: 100 megohms @ 500 VDC

TEMPERATURE

- Operating: -40°C to +50°C. (AC), -40°C +65°C. (DC)
- Storage: -40°C to +100°C

LIFE EXPECTANCY

- Electrical: 200,000 operations @ rated resistive load
- Mechanical: 5,000,000 operations @ no load

MISCELLANEOUS

- Operating Position: Any
- Insulation Material: Molded plastic
- Enclosure: Polycarbonate dust cover
- Weight: 79 grams approx.



Mating Sockets

- 70-750D8-1, 70-750D11-1,
70-464-1, 70-465-1: SCREW/DIN
- 70-169-1, 70-170-1: SCREW/PANEL

See section 8, page 7 - 12



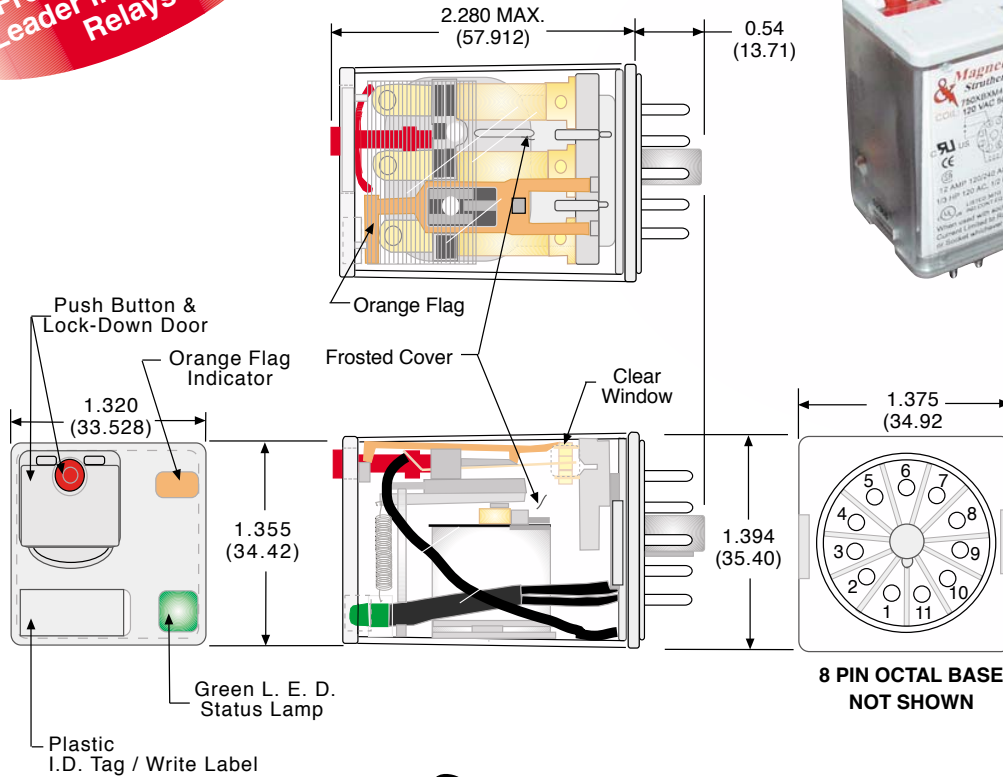
CLASS **750**

FULL FEATURED OCTAL STYLE GENERAL PURPOSE RELAY

DPDT & 3PDT, 12 AMPS

NEW
From The Market
Leader in Industrial
Relays

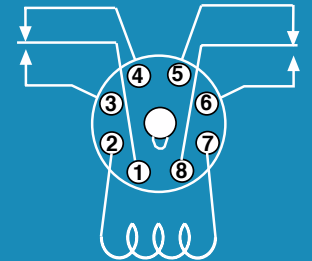
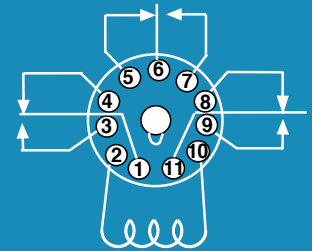
OUTLINE DIMENSIONS
DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).



PUSH BUTTON WITH
LOCK-DOWN DOOR



WIRING DIAGRAMS
(VIEWED FROM PIN END)



8 PIN OCTAL BASE
NOT SHOWN



BI - POLAR
L.E.D. STATUS LAMP
ALLOWS FOR REVERSE
POLARITY APPLICATIONS

ORDERING CODE FOR RELAYS

CLASS: 750 XBX M4L-120A

CONTACT CONFIGURATION:
DPDT: XBX
3PDT: XCX

STANDARD FEATURES:
PUSH BUTTON &
LOCK DOWN DOOR: **CODE M4**
BI - POLAR L.E.D. STATUS LAMP: **CODE L**

OPTIONAL FEATURES:
PUSH BUTTON WITHOUT
LOCK DOWN DOOR: **CODE M**

COIL VOLTAGE:
6, 12, 24, 120, 220/230, 240 ADD "A" FOR AC COILS
6, 12, 24, 48, 110 ADD "D" FOR DC COILS

STANDARD PART NUMBERS	CONTACT CONFIGURATION	COIL MEASURED @ 25°C	
		NOMINAL INPUT VOLTAGE	NOMINAL RESISTANCE (OHMS)
AC OPERATED - 8 PIN OCTAL, 12 AMP			
750XBXM4L-24A	DPDT	24 VAC, 50/60Hz	72 Ω
750XBXM4L-120A	DPDT	120 VAC, 50/60Hz	1,700 Ω
750XBXM4L-240A	DPDT	240 VAC, 50/60Hz	9,100 Ω
DC OPERATED - 8 PIN OCTAL, 12 AMP			
750XBXM4L-12D	DPDT	12 VDC	120 Ω
750XBXM4L-24D	DPDT	24 VDC	470 Ω
750XBXM4L-110D	DPDT	110 VDC	10,000 Ω
AC OPERATED - 11 PIN OCTAL, 12 AMP			
750XCXM4L-24A	3PDT	24 VAC, 50/60Hz	72 Ω
750XCXM4L-120A	3PDT	120 VAC, 50/60Hz	1,700 Ω
750XCXM4L-240A	3PDT	240 VAC, 50/60Hz	9,100 Ω
DC OPERATED - 11 PIN OCTAL, 12 AMP			
750XCXM4L-12D	3PDT	12 VDC	120 Ω
750XCXM4L-24D	3PDT	24 VDC	470 Ω
750XCXM4L-110D	3PDT	110 VDC	10,000 Ω

CADMIUM-FREE CONTACTS AVAILABLE,
CONTACT FACTORY FOR DETAILS