



COMPLIES WITH REQUIREMENTS

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

* IEC = INTERNATIONAL ELECTROTECHNICAL COMMISSION

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



LISTED 367G
IND. CONT. EQ.

WHEN USED WITH
SOCKETS:
70-750D8-1 & 70-750D11-1



750 Octal Style Power Relays

Features - Benefits

Flag Indicator-Shows relay status in manual or powered condition.

Bi-Polar L.E.D. Status Lamp-Allows for reverse polarity applications shows coil "on" or "off" status. Ideal in low light conditions.

Color Coded Push Button-Identifies AC coils with red or DC coils with with blue push buttons. Allows for manual operation of relay without the need for coil power. Ideal for field service personnel to test control circuits.

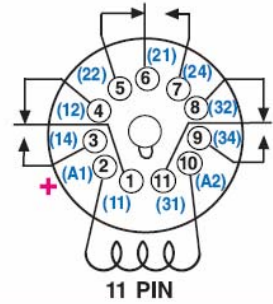
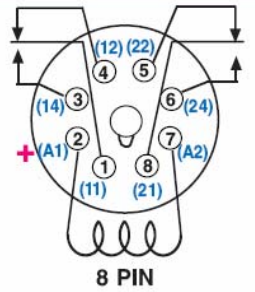
Lock-Down Door-When activated, holds push button and contacts in the operate position. Excellent for analyzing circuit problems.

Finger-Grip Cover-Allows operator to remove relays from sockets more easily than conventional relays.

White Plastic I.D. Tag/Write Label-Used for identification of relays in multi-relay circuits.



WIRING DIAGRAM
(VIEWED FROM PIN END)



ALTERNATE NEMA OR IEC () NUMBERS
VIEWED FROM PIN SIDE

Mating Sockets
70-750D8-1, 70-750D11-1,

STANDARD PART NUMBERS		COIL MEASURED @ 25 C	
FULL FEATURED	CONTACT CONFIGURATION	NOMINAL INPUT VOLTAGE	NOMINAL RESISTANCE (OHMS)
AC OPERATED- 8 PIN OCTAL, 16 AMP			
750XBXM4L-24A	DPDT	24 VAC, 50/60Hz	72Ω
750XBXM4L-120A	DPDT	110/120 VAC, 50/60Hz	1700Ω
750XBXM4L-220/240A	DPDT	220/240 VAC, 50/60Hz	7200Ω
AC OPERATED - 11 PIN OCTAL, 16 AMP			
750XCXM4L-24A	3PDT	24 VAC, 50/60Hz	72Ω
750XCXM4L-120A	3PDT	110/120 VAC, 50/60Hz	1700Ω
750XCXM4L-220/240A	3PDT	220/240 VAC, 50/60Hz	7200Ω



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750 Octal Style Power Relays

Magnecraft
Strubers-Dunn
Your Contact for Industrial Relays

OUTLINE DIMENSIONS
DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).

DPDT & 3PDT
16 AMPS

NOTE: CLASS 750 IS AN ENHANCED VERSION OF THE A314, IT HAS SUPERIOR RATINGS, A FLAG INDICATOR, & DISPLAYS BOTH PART NUMBERS.

ORDERING CODE

GENERAL SPECIFICATIONS (@ 25°C)

	UNITS	
COIL		
Pull-in Voltage AC (50/60 Hz):≤	% of nominal	85
Pull-in Voltage DC:≤	% of nominal	80
Dropout Voltage AC (50/60 Hz):≥	% of nominal	10
Dropout Voltage DC:≥	% of nominal	10
Maximum Voltage:	% of nominal	110
Resistance:	% ±	10
Coil Power AC (60 Hz):	VA	2.0 - 3.0
Coil Power DC:	W	1.4
Insulation System Per UL Standard 1446:		Class B (130 °C)
Maximum Coil Dissipation, AC (60 Hz):	VA	3.5
Maximum Coil Dissipation, DC:	W	3
Duty:		Continuous
CONTACTS		
Contact Material:		Silver alloy, gold flashed
Contact Rating AC Amperes (AC1):	A	16
Contact Rating AC Voltage:	V	277
Contact Rating DC Amperes (DC1):	A	16 / 0.5
Contact Rating DC Voltage:	V	28 / 220
General Purpose Rating (75%-80% pf):	A @ V	12 @ 120 / 240
Horse Power (AC):	HP	1/3 @ 120 V
Horse Power (AC):	HP	1/2 @ 240 V
Pilot Duty (60 Hz):		B300
Utilization Category:	IEC	AC15
VA Rating Make:	VA	3600
VA Rating Break:	VA	360
Minimum Recommended Load:	ma	100 @ 5 VDC or 0.5 W
TIMING		
Operate Time:	ms	20
Release Time:	ms	20

	UNITS	
DIELECTRIC STRENGTH		
Coil to Contacts:	V rms	2500
Across Open Contacts:	V rms	1500
Pole to Pole:	V rms	2500
Contacts to Frame:	V rms	2500
Insulation Resistance:	megohms minimum @VDC	100 @ 500
VIBRATION RESISTANCE		
Functional:	g's	10-55 Hz, 6 g's, 1mm double amplitude
SHOCK RESISTANCE		
Functional:	g's	10
TEMPERATURE		
Operating, AC Lower:	°C	-40
Operating, AC Upper:	°C	+50
Operating, DC Lower:	°C	-40
Operating, DC Upper:	°C	+65
Storage, Lower:	°C	-40
Storage, Upper:	°C	+105
LIFE EXPECTANCY		
Electrical @ Rated Load (AC1):	operations	100,000
Mechanical @ no Load :	operations	5,000,000
MISCELLANEOUS		
Operating Position:		Any
Insulation Material:	94V-0	Molded plastic
Enclosure Material:	94V-0	Polycarbonate
Cover Protection Category:	IP	40
Weight:	grams	89

B&B electronics
MANUFACTURING COMPANY

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