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TECHNOLOGY GROUP

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Find the *Schneider Electric / MagneCraft 750XBXM4L-24D* at our website: *Click HERE*

750 OCTAL STYLE POWER RELAY

UL Recognized
File No. E43641

40787

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

LISTED 367G
IND. CONT. EQ.

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

CURRENT LIMITED TO RATING OF RELAY OR SOCKET WHICHEVER IS LESS

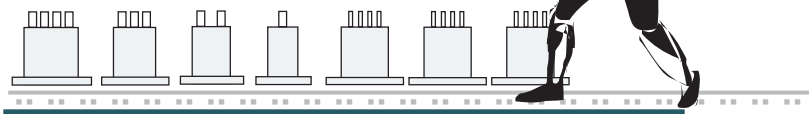
FEATURES	BENEFITS
FLAG INDICATOR:	SHOWS RELAY STATUS IN MANUAL OR POWERED CONDITION.
BI - POLAR L.E.D. STATUS LAMP:	ALLOWS FOR REVERSE POLARITY APPLICATIONS, SHOWS COIL "ON" OR "OFF" STATUS. IDEAL IN LOW LIGHT CONDITIONS.
COLOR CODED PUSH BUTTON:	IDENTIFIES AC COILS WITH RED OR DC COILS WITH BLUE PUSH 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.





MANUFACTURED UNDER ISO 9002 & QS 9000





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

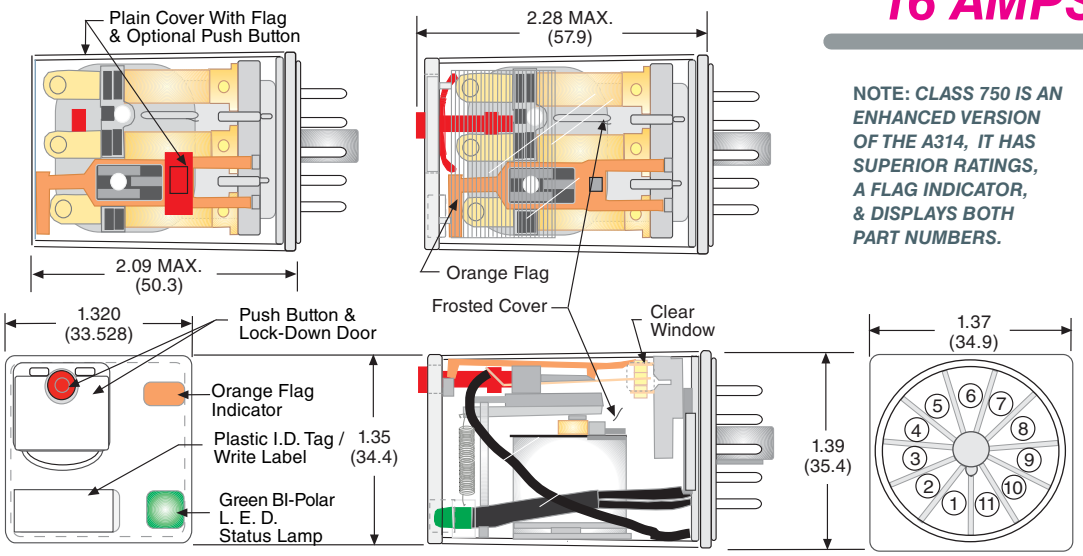
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750 OCTAL STYLE POWER RELAY

Magnecraft
Struthers-Dunn
Your Contact for Industrial Relays

OUTLINE DIMENSIONS

DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).

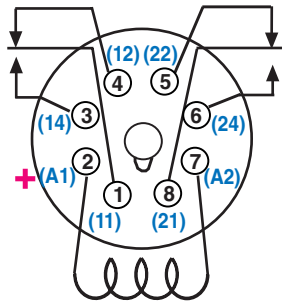


8 PIN OCTAL BASE
NOT SHOWN

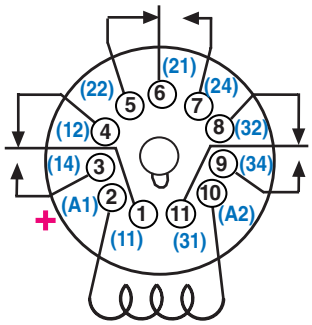
DPDT & 3PDT
16 AMPS

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

WIRING DIAGRAM
(VIEWED FROM PIN END)



8 PIN



11 PIN

ALTERNATE NEMA OR IEC ( ) NUMBERS VIEWED FROM PIN SIDE

ORDERING CODE

750	XBX			M4L	-120A

CLASS:

CONTACT CONFIGURATION:
DPDT: **XBX,** 3PDT: **XCX**

OPTIONAL PLAIN COVER:
CODE C

OPTIONS:
MAGNETIC BLOWOUT: **CODE 69**

FULL FEATURED VERSION:
PUSH BUTTON & LOCK DOWN DOOR: **CODE M4**
BI - POLAR L.E.D. STATUS LAMP: **CODE L**

OPTIONAL FULL FEATURED DELETION:
PUSH BUTTON WITHOUT LOCK-DOWN DOOR: **CODE M.**
(**CODES 69, L,** OR **M** ALSO AVAILABLE ON CLEAR COVER VERSIONS)

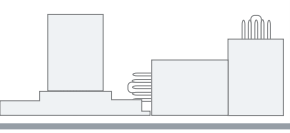
OPTIONAL PLAIN COVER FEATURES:
PUSH BUTTON WITHOUT LOCK-DOWN DOOR: **CODE M**
POLARIZED L.E.D. STATUS LAMP: **CODE L** (OBSERVE POLARITY+)

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



Mating Sockets
70-750D8-1, 70-750D11-1,
70-464-1, 70-465-1, 70-750E8-1,70-750E11-1
70-750EL/SL8-1, 70-750EL/SL11-1: SCREW/DIN
70-169-1, 70-170-1: SCREW/PANEL
See section 7

STANDARD PART NUMBERS				COIL MEASURED @ 25 °C	
FULL FEATURED	PLAIN COVER WITH FLAG		CONTACT CONFIGURATION	NOMINAL INPUT VOLTAGE	NOMINAL RESISTANCE(OHMS)
	DUAL MARKED				
	NEW PART NUMBER	SUPERCEDES			
AC OPERATED - 8 PIN OCTAL, 16 AMP					
750XBXM4L-24A	**750XBXC-24A**	**A314XBX48P-24A**	DPDT	24 VAC, 50/60Hz	72 Ω
750XBXM4L-120A	**750XBXC-120A**	**A314XBX48P-120A**	DPDT	110/120 VAC, 50/60Hz	1,700 Ω
750XBXM4L-220/240A	**750XBXC-220/240A**	**A314XBX48P-220/240A**	DPDT	220/240 VAC, 50/60Hz	7,200 Ω
DC OPERATED - 8 PIN OCTAL, 16 AMP					
750XBXM4L-12D	**750XBXC-12D**	**A314XBX48P-12D**	DPDT	12 VDC	120 Ω
750XBXM4L-24D	**750XBXC-24D**	**A314XBX48P-24D**	DPDT	24 VDC	470 Ω
750XBXM4L-110D	**750XBXC-110D**	**A314XBX48P-110D**	DPDT	110/125 VDC	10,000 Ω
AC OPERATED - 11 PIN OCTAL, 16 AMP					
750XCXM4L-24A	**750XCXC-24A**	**A314XCX48P-24A**	3PDT	24 VAC, 50/60Hz	72 Ω
750XCXM4L-120A	**750XCXC-120A**	**A314XCX48P-120A**	3PDT	110/120 VAC, 50/60Hz	1,700 Ω
750XCXM4L-220/240A	**750XCXC-220/240A**	**A314XCX48P-220/240A**	3PDT	220/240 VAC, 50/60Hz	7,200 Ω
DC OPERATED - 11 PIN OCTAL, 16 AMP					
750XCXM4L-12D	**750XCXC-12D**	**A314XCX48P-12D**	3PDT	12 VDC	120 Ω
750XCXM4L-24D	**750XCXC-24D**	**A314XCX48P-24D**	3PDT	24 VDC	470 Ω
750XCXM4L-110D	**750XCXC-110D**	**A314XCX48P-110D**	3PDT	110/125 VDC	10,000 Ω



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