

**UL**  
UL Recognized  
File No. E43641

**UL**  
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

VACUUM BAKED & DRY  
NITROGEN FILLED

HERMETICALLY  
SEALED METAL  
ENCLOSURE

PLUG-IN STYLE  
MOUNTING

## BENEFITS

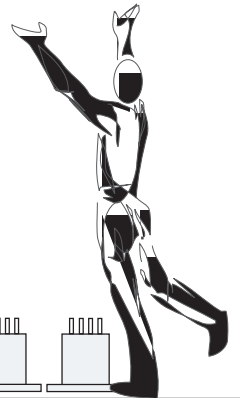
REMOVES CONTAMINANTS AND PROVIDES  
A CLEAN & DRY ATMOSPHERE FOR CONTACTS.

IDEAL FOR USE IN HAZARDOUS LOCATIONS.  
UL CERTIFIED FOR CLASS 1 DIVISION 2 GROUP  
A, B, C & D HAZARDS.

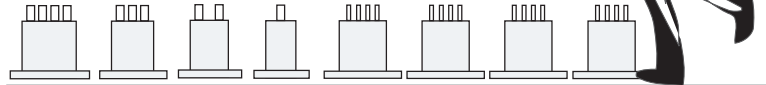
WHEN USED WITH 70-464-1, 70-465-1, 70-750D8-1 OR  
70-750D11-1 SOCKETS,  
THE 750H CAN BE DIN RAIL MOUNTED OR PANEL MOUNTED.



**CERTIFIED CLASS 1  
DIVISION 2 FOR  
HAZARDOUS LOCATIONS  
UL GROUPS A, B, C & D**



## GENERAL SPECIFICATIONS (@ 25°C)



	UNITS	
<b>COIL</b>		
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
Coil Power DC:	W	1.2
Insulation System Per UL Standard 1446: Duty:		Class B (130 °C) Continuous
<b>CONTACTS</b>		
Contact Material:		Silver alloy gold flashed
Contact Rating AC Amperes (AC1):	A	2 Pole-12, 3 Pole-10
Contact Rating AC Voltage:	V	120 / 240
Contact Rating DC Amperes (DC1):	A	10
Contact Rating DC Voltage:	V	30
Horse Power (AC):	HP	1/2 @ 120
Horse Power (AC):	HP	1/3 @ 240
Minimum Recommended Load:	ma	100 @ 5 VDC or 0.5 W
<b>TIMING</b>		
Operate Time:	ms	15
Release Time:	ms	10

	UNITS	
<b>DIELECTRIC STRENGTH</b>		
Coil to Contacts:	V rms	1250
Across Open Contacts:	V rms	500
Pole to Pole:	V rms	1250
Contacts to Frame:	V rms	Not applicable
Insulation Resistance:	megohms minimum @VDC	1000 @ 500
<b>TEMPERATURE</b>		
Operating, AC Lower:	°C	-45
Operating, AC Upper:	°C	+55
Operating, DC Lower:	°C	-45
Operating, DC Upper:	°C	+70
Storage, Lower:	°C	-45
Storage, Upper:	°C	+105
<b>LIFE EXPECTANCY</b>		
Electrical @ Rated Load (AC1):	operations	100,000
Mechanical @ no Load :	operations	5,000,000
<b>MISCELLANEOUS</b>		
Operating Position:		Any
Insulation Material:	94V-0	Molded plastic
Enclosure Material:		Steel
Cover Protection Category:	IP	67
Weight:	grams	130

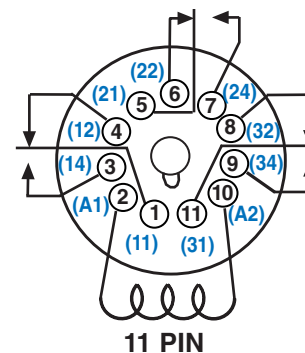
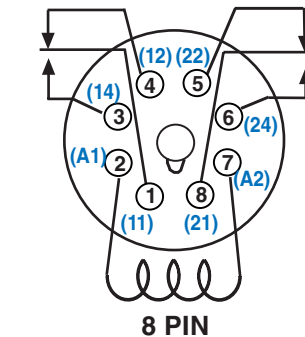
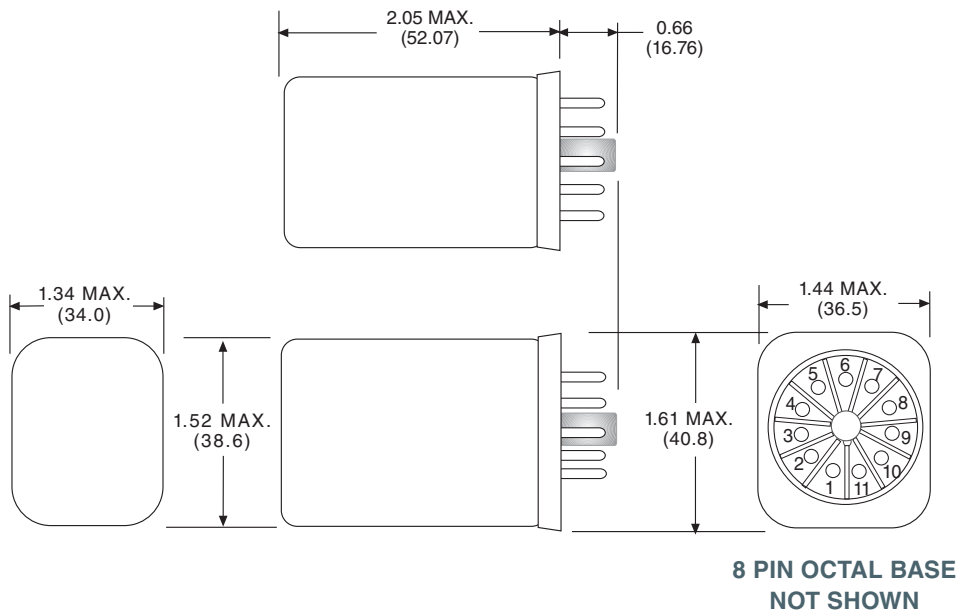
# 750H OCTAL STYLE HERMETICALLY SEALED RELAY



**DPDT, 12 AMPS  
3PDT, 10 AMPS**

WIRING DIAGRAM  
(VIEWED FROM PIN END)

**OUTLINE DIMENSIONS**  
DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).



ALTERNATE NEMA  
OR IEC ( ) NUMBERS  
VIEWED FROM  
PIN SIDE



**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 7



STANDARD PART NUMBERS		CONTACT CONFIGURATION	COIL MEASURED @ 25 °C	
			NOMINAL INPUT VOLTAGE	NOMINAL RESISTANCE (OHMS)
NEW PART NUMBER	SUPERCEDES			
<b>AC OPERATED - 8 PIN OCTAL, 12 AMP</b>				
750XBXH-12A		DPDT	12 VAC, 50/60Hz	72 Ω
750XBXH-24A		DPDT	24 VAC, 50/60Hz	1,700 Ω
750XBXH-120A	W88AHPX-24	DPDT	110/120 VAC, 50/60Hz	9,100 Ω
<b>DC OPERATED - 8 PIN OCTAL, 12 AMP</b>				
750XBXH-12D	W88HPX-33	DPDT	12 VDC	120 Ω
750XBXH-24D	W88HPX-34	DPDT	24 VDC	470 Ω
750XBXH-110/125D		DPDT	110/125 VDC	10,000 Ω
<b>AC OPERATED - 11 PIN OCTAL, 10 AMP</b>				
750XCXH-12A		3PDT	12 VAC, 50/60Hz	72 Ω
750XCXH-24A		3PDT	24 VAC, 50/60Hz	1,700 Ω
750XCXH-120A	*W88AHPX-36	3PDT	110/120 VAC, 50/60Hz	9,100 Ω
<b>DC OPERATED - 11 PIN OCTAL, 10 AMP</b>				
750XCXH-12D		3PDT	12 VDC	120 Ω
750XCXH-24D	*W88HPX-51	3PDT	24 VDC	470 Ω
750XCXH-110/125D		3PDT	110/125 VDC	10,000 Ω

\* SOCKET CONNECTIONS TO TERMINALS 5 & 6 (21 & 22) MUST BE REVERSED