

**PRODUCT**

**70-464-1 & 70-465-1**



MANUFACTURED UNDER  
ISO 9001

**70-169-1 & 70-170-1**



MANUFACTURED UNDER  
ISO 9001

**70-750D8-1 & 70-750D11-1**



L X W X H (INCHES)

2.02 x 1.28 x .83 / 2.05 x 1.96 x 0.97

2.25 x 2.0 x 0.62 / 2.59 x 2.52 x 0.62

3.04 x 1.42/1.40 x 1.11/1.44

**FEATURES**

- ✦ OCTAL STYLE 8 & 11 PIN BASE
- ✦ DESIGNED FOR 35 MILLIMETER DIN TRACK OR CHASSIS MOUNT APPLICATIONS

- ✦ LOW PROFILE OCTAL STYLE 8 & 11 PIN BASE
- ✦ DESIGNED FOR CHASSIS MOUNT APPLICATIONS

- ✦ OCTAL STYLE 8 & 11 PIN BASE
- ✦ DESIGNED FOR 35 MILLIMETER DIN TRACK OR CHASSIS MOUNT APPLICATIONS

**FINGER SAFE PER IP 20**

NO

NO

YES

**WIRING TERMINATIONS**

SCREW TERMINALS WITH CLAMPING PLATES

SCREW TERMINALS WITH CLAMPING PLATES

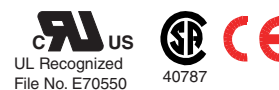
SCREW TERMINALS WITH CLAMPING PLATES

**CONSTRUCTION**

**UNITS**

CONSTRUCTION	UNITS	70-464-1 & 70-465-1	70-169-1 & 70-170-1	70-750D8-1 & 70-750D11-1
Width:	mm	32.7 & 50	50.8 & 64.2	36 & 38
Module Compatible:		No	No	Yes
1 Piece Solderless Track And Terminals System:		Yes	Yes	Yes
Options:		No No	No No	Yes Yes
Logic Style: I-O Separation:				
Coil Jumper Buss System Available:				
<b>ELECTRICAL RATING</b>				
Nominal Voltage Rating:	Volts	300 / 600	300	300 / 600
Nominal Current Rating:	Amps	15 / 10.5	15	16 / 5
<b>DIELECTRIC STRENGTH</b>				
Output to Adjacent Terminals:	V rms	2000	2000	2500
Output to Input Terminals:	V rms	2000	2000	2500
Terminals to Rail Chassis	V rms	2000	2000	2500
<b>TEMPERATURE</b>				
Operating, Lower:	°C	-40	-40	-40
Operating, Upper:	°C	+80	+80	+80
<b>MISCELLANEOUS</b>				
Protection Category (finger safe):	IP	N / A	N / A	20
Weight:	grams	40 or 57	40 or 70	60 or 78
UL Listing Available:		UL Listed When Used With 211, 750 Relays		UL Listed When Used With 750 Relay

**AGENCY APPROVALS**



**16 AMPS, 300 VOLTS**  
**5 AMPS, 600 VOLTS**



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

## FEATURES

**ISOLATED INPUTS AND OUTPUT TERMINALS:**

**INTERNAL COIL BUSS JUMPER SYSTEM:**

**MODULE COMPATIBLE:**

**FINGER SAFE:**

**36 MILLIMETERS WIDE:**

## BENEFITS

SEPARATES CONTROL CIRCUITS FROM LOAD CIRCUITS, PREVENTS MIS-WIRING AND POTENTIAL SHORTING BETWEEN CIRCUITS.

ALLOWS INPUTS TO COIL TO BE INTERNALLY CONNECTED TO ADJACENT SOCKETS OF THE SAME STYLE WITHOUT THE NEED FOR EXTERNAL WIRING BETWEEN SOCKETS.

ALLOWS FOR OPTIONAL PROTECTION OR L.E.D. MODULES TO BE USED WITH SOCKETS.

PREVENTS SHOCK TO OPERATORS BY KEEPING FINGERS AWAY FROM LIVE CIRCUITS.

IDEAL FOR SPACE SAVING, ALLOWS MORE SOCKETS TO BE INSTALLED ON DIN RAIL OR PANEL THAN OTHER CONVENTIONAL SOCKETS.

**DESIGNED FOR PANEL OR DIN MOUNT.**

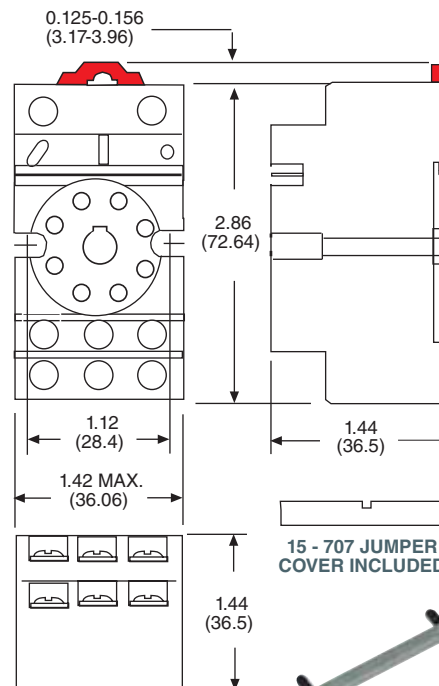


## GENERAL SPECIFICATIONS (@ 25°C)

	UNITS	
<b>NUMBER OF TERMINALS</b>		8
<b>ELECTRICAL RATING</b>		
Nominal Voltage Rating:	Volts	300 / 600
Nominal Current Rating:	Amps	16 / 5
<b>DIELECTRIC STRENGTH</b>		
Output to Adjacent output Terminals:	V rms	2500
Output to Input Terminals:	V rms	2500
Terminals to Rail Chassis:	V rms	2500
<b>CONSTRUCTION</b>		
Protection Category (Finger Safe):	IEC	IP20
Internal Metal Tracks:		Copper Alloy, Zinc Plated
Screws Terminals:		Steel, Zinc Plated
Screw Style and Size:	mm	Combination Head, M3.5 x 0.06 x 6.35
Screw Terminal Torque Maximum:	Lb-in / Nm	8 / 0.90
<b>TEMPERATURE</b>		
Operating, Lower:	°C	-40
Operating, Upper:	°C	+80
<b>MISCELLANEOUS</b>		
Chassis Mount Screw Torque:	Lb-in / Nm	8 - 10 / 0.90 - 1.13
Flammability Rating:		94V-0
Wire Size:	AWG/mm2	20 - 12 / 0.5 - 3.0
Body Color:		Light gray
DIN Locking Clip Color:		Red
Weight:	grams	60

### OUTLINE DIMENSIONS

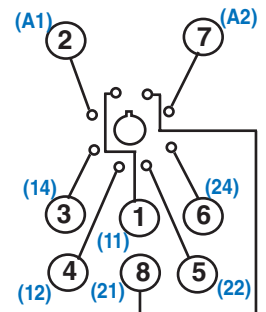
DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).  
TOLERANCES : ± 0.010 ( ± 0.25 )  
UNLESS OTHERWISE SHOWN



HOLD DOWN CLIPS ARE ORDERED SEPARATELY

COIL BUSS JUMPERS 33 - 796 ARE ORDERED SEPARATELY

### WIRING DIAGRAM (TOP VIEW)



ALTERNATE NEMA OR IEC ( ) NUMBERS VIEWED FROM PIN SIDE

**Mating Relays**  
**750XBX**

See section 1

**211, 222, 236, TDRPRO, TDRSOXP**

See section 4

**Mating Hold Down Clip**  
**(750XBX) 16-1332**

STANDARD PART NUMBER	DESCRIPTION
70 - 750D8 - 1	8 PIN OCTAL FINGER SAFE SOCKET, DIN / PANEL MOUNT WITH SCREW TERMINALS & CLAMPING PLATES.

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

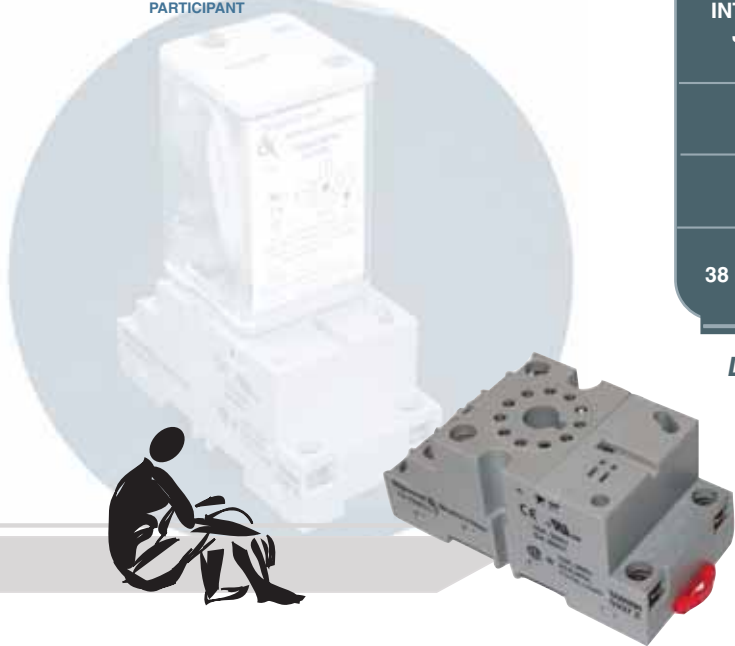
**16 AMPS, 300 VOLTS**  
**5 AMPS, 600 VOLTS**

## FEATURES

- ISOLATED INPUTS AND OUTPUT TERMINALS:**
- INTERNAL COIL BUSS JUMPER SYSTEM:**
- MODULE COMPATIBLE:**
- FINGER SAFE:**
- 38 MILLIMETERS WIDE:**

## BENEFITS

- SEPARATES CONTROL CIRCUITS FROM LOAD CIRCUITS, PREVENTS MIS-WIRING AND POTENTIAL SHORTING BETWEEN CIRCUITS.
- ALLOWS INPUTS TO COIL TO BE INTERNALLY CONNECTED TO ADJACENT SOCKETS OF THE SAME STYLE WITHOUT THE NEED FOR EXTERNAL WIRING BETWEEN SOCKETS.
- ALLOWS FOR OPTIONAL PROTECTION OR L.E.D. MODULES TO BE USED WITH SOCKETS.
- PREVENTS SHOCK TO OPERATORS BY KEEPING FINGERS AWAY FROM LIVE CIRCUITS.
- IDEAL FOR SPACE SAVING, ALLOWS MORE SOCKETS TO BE INSTALLED ON DIN RAIL OR PANEL THAN OTHER CONVENTIONAL SOCKETS.



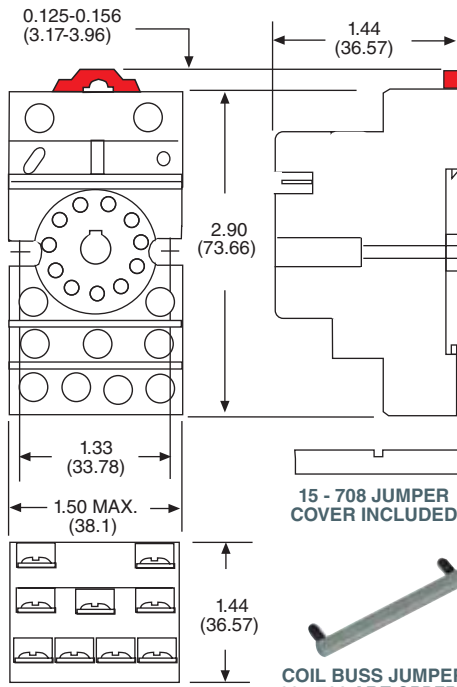
DESIGNED FOR PANEL OR DIN MOUNT.

## GENERAL SPECIFICATIONS (@ 25°C)

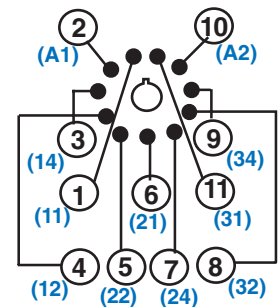
	UNITS	
<b>NUMBER OF TERMINALS</b>		11
<b>ELECTRICAL RATING</b>		
Nominal Voltage Rating:	Volts	300 / 600
Nominal Current Rating:	Amps	16 / 5
<b>DIELECTRIC STRENGTH</b>		
Output to Adjacent output Terminals:	V rms	2500
Output to Input Terminals:	V rms	2500
Terminals to Rail Chassis:	V rms	2500
<b>CONSTRUCTION</b>		
Protection Category (Finger Safe):	IEC	IP20
Internal Metal Tracks:		Copper Alloy, Zinc Plated
Screws Terminals:		Steel, Zinc Plated
Screw Style and Size:	mm	Combination Head, M3.5 x 0.06 x 6.35
Screw Terminal Torque Maximum:	Lb-in / Nm	8 / 0.90
<b>TEMPERATURE</b>		
Operating, Lower:	°C	-40
Operating, Upper:	°C	+80
<b>MISCELLANEOUS</b>		
Chassis Mount Screw Torque:	Lb-in / Nm	8 - 10 / 0.90 - 1.13
Flammability Rating:		94V-0
Wire Size:	AWG/mm <sup>2</sup>	20 - 12 / 0.5 - 3.0
Body Color:		Light gray
DIN Locking Clip Color:		Red
Weight:	grams	78

### OUTLINE DIMENSIONS

DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).  
TOLERANCES : ± 0.010 ( ± 0.25 )  
UNLESS OTHERWISE SHOWN



### WIRING DIAGRAM (TOP VIEW)



ALTERNATE NEMA OR IEC ( ) NUMBERS VIEWED FROM PIN SIDE

**Mating Relays**  
**750XCX, 750XCXH**  
See section 1  
**211, TDRPRO, TDRSRXP**  
See section 4  
**755/250ML**  
See section 5  
**Mating Hold Down Clip**  
**(750XCX, 750XCXH, 755/250ML)**  
**16-1332**

HOLD DOWN CLIPS ARE ORDERED SEPARATELY

COIL BUSS JUMPERS 33 - 796 ARE ORDERED SEPARATELY

STANDARD PART NUMBER	DESCRIPTION
70 - 750D11 - 1	11 PIN OCTAL SOCKET, FINGER SAFE DIN / PANEL MOUNT WITH SCREW TERMINALS & CLAMPING PLATES.