

# CLASS 70-464- 8 PIN OCTAL SOCKET, DIN/PANEL MOUNTABLE

## FEATURES

**COMPLETE ISOLATION OF ALL INTERNAL METAL TRACKS AND CONTACTS:**

IDEAL FOR APPLICATIONS THAT REQUIRE UP TO 600 VOLTS.

**SCREWS & CLAMPING PLATES DESIGNED WITH MAXIMUM SET BACK:**

ELIMINATES ARCING BETWEEN TERMINALS AND THE NEED FOR WIRE TERMINALS.

**EXTENDED PANEL MOUNTING SCREW SLOTS:**

ALLOWS FOR HOLE CENTERS FROM 1.29" UP 1.4". IDEAL REPLACEMENT IN MANY EXISTING SOCKET MOUNTING APPLICATIONS.

**HEAVY DUTY 1 PIECE TRACK AND CONTACT SYSTEM:**

ALLOWS FOR GREATER HEAT DISSIPATION AND LOWER CONTACT RESISTANCE AT THE RELAY TERMINALS.

**STANDARD DIN RAIL MOUNTING:**

FITS ALL STANDARD 35 MILLIMETER DIN TRACKS.

## BENEFITS

**10 AMPS, 600 VOLTS  
15 AMPS, 300 VOLTS**

**UL**  
UL Recognized  
File No. E70550

**CS** 97899

**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

DESIGNED FOR PANEL OR DIN MOUNT.

## GENERAL SPECIFICATIONS

Electrical Rating: 10 amps, 600 volts, 15 amps, 300 volts  
Dielectric Strength: 2500 V rms between all electrical elements of opposite polarity.  
2500 V rms between all elements to metal mounting plate

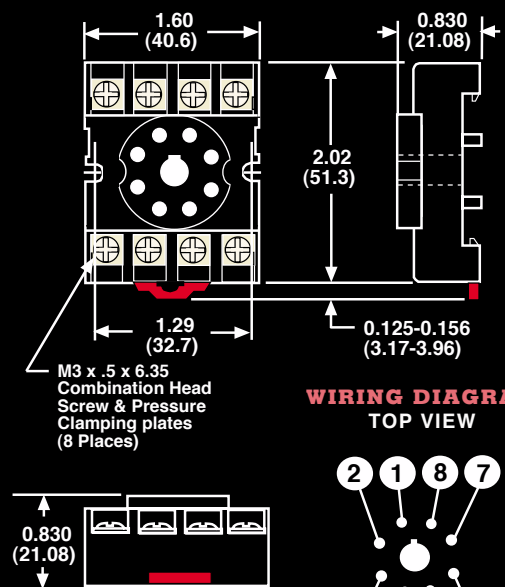
### CONSTRUCTION

Contacts and Internal Metal Tracks: Plated copper alloy  
Screws and Clamping Plates: Steel, yellow zinc plated  
Screw Style and Size: Combination head, M3 x 0.5 x 6.35  
Screw and Clamping Plate Torque: 9 Inch - Lbs  
Internal Metal Tracks, Contacts and Screw Terminals: One piece construction

### MISCELLANEOUS

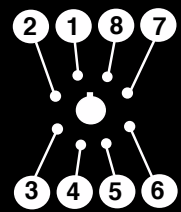
Hook-up Wire Range: AWG #12 to #22 solid or stranded  
Molded Material: UL recognized break resistant electrical grade thermoplastic  
Socket Mounting Torque: 8 to 10 Inch - Lbs  
Body Color: Gray  
DIN Locking Clip Color: Red  
Weight: 40 grams approx.

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



M3 x .5 x 6.35  
Combination Head  
Screw & Pressure  
Clamping plates  
(8 Places)

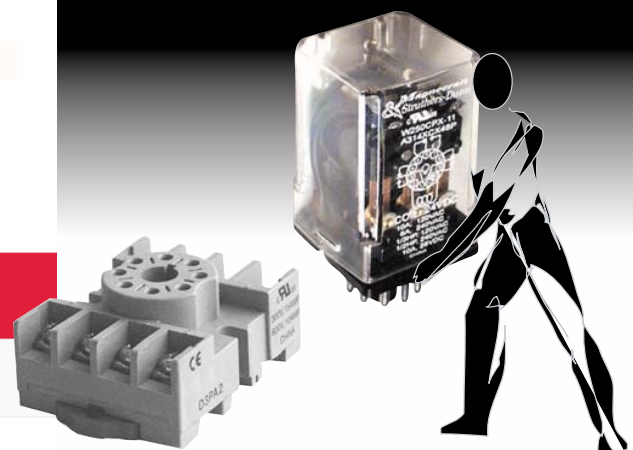
**WIRING DIAGRAM  
TOP VIEW**



70 - 464 - 1

70-464- ACCEPTS ALL STANDARD 8 PIN OCTAL PLUG RELAYS

STANDARD PART NUMBERS	DESCRIPTION
70 - 464 - 1	8 PIN OCTAL SOCKET, DIN / PANEL MOUNT, WITH SCREW TERMINALS & CLAMPING PLATES.



CLASS **70-465-**

# 11 PIN OCTAL SOCKET, DIN/PANEL MOUNTABLE

## FEATURES

**COMPLETE ISOLATION OF ALL INTERNAL METAL TRACKS AND CONTACTS:**

IDEAL FOR APPLICATIONS THAT REQUIRE UP TO 600 VOLTS.

**HEAVY DUTY 1 PIECE TRACK AND CONTACT SYSTEM:**

ALLOWS FOR GREATER HEAT DISSIPATION AND LOWER CONTACT RESISTANCE AT THE RELAY TERMINALS.

**STANDARD DIN RAIL MOUNTING:**

FITS ALL STANDARD 35 MILLIMETER DIN TRACKS.

## BENEFITS

**5 AMPS, 600 VOLTS  
15 AMPS, 300 VOLTS**



UL Recognized  
File No. E70550



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

DESIGNED FOR PANEL OR DIN MOUNT.

## GENERAL SPECIFICATIONS

Electrical Rating: 5 amps, 600 volts, 15 amps 300 volts,  
Dielectric Strength: 2000 V rms between all electrical elements of opposite polarity.  
2000 V rms between all elements to metal mounting plate

### CONSTRUCTION

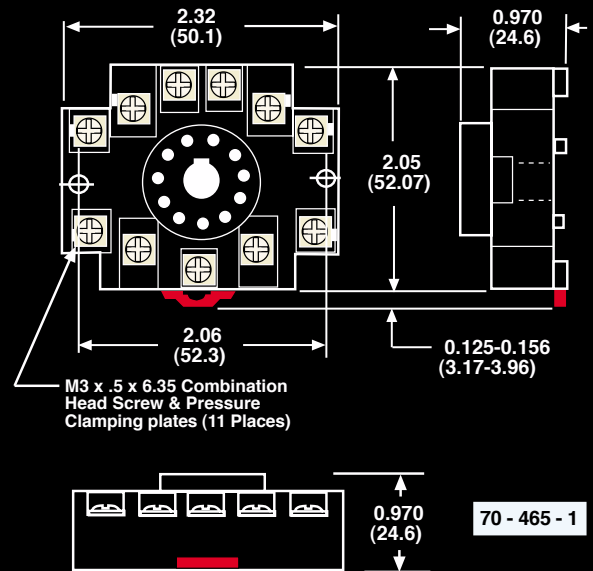
Contacts and internal metal tracks: Plated copper alloy  
Screws and clamping plates: Steel, yellow zinc plated  
Screw style and size: Combination head, M3 x .5 x 6.35  
Screw and clamping plate torque: 9 Inch - Lbs.  
Internal metal tracks, contacts and screw terminals: One piece construction

### MISCELLANEOUS

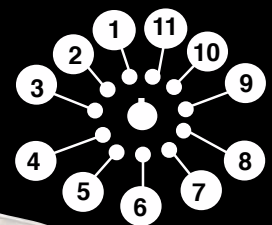
Hook-up Wire Range: AWG #12 to #22 solid or stranded.  
Molded Material: UL recognized break resistant electrical grade thermoplastic  
Socket Mounting Torque: 8 to 10 Inch - Lbs.  
Body Color: Gray  
DIN Locking Clip Color: Red  
Weight: 57 grams, approx.

### OUTLINE DIMENSIONS

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

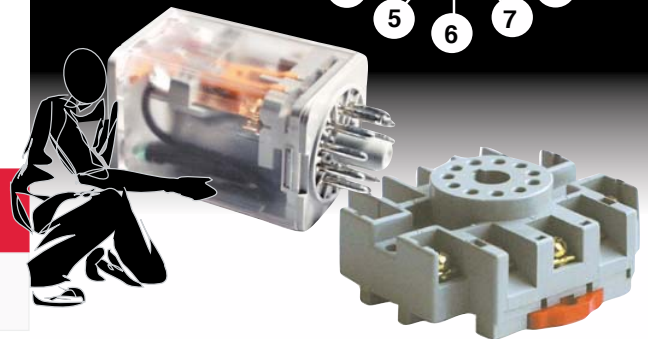


### WIRING DIAGRAM TOP VIEW



70-465- ACCEPTS ALL STANDARD 11 PIN OCTAL PLUG RELAYS

STANDARD PART NUMBERS	DESCRIPTION
70 - 465 - 1	11 PIN OCTAL SOCKET, DIN / PANEL MOUNT, WITH SCREW TERMINALS & CLAMPING PLATES.



CLASS **750D8-**

# LOGIC STYLE 8 PIN OCTAL SOCKET

## FEATURES

**ISOLATED INPUTS AND OUTPUT TERMINALS:**

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

**INTERNAL COIL BUSS JUMPER SYSTEM:**

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

**MODULE COMPATIBLE:**

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

**FINGER SAFE:**

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

**36 MILLIMETERS WIDE:**

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

## BENEFITS

DESIGNED FOR PANEL OR DIN MOUNT.

**NEW**  
From The Market  
Leader in Industrial  
Relays

## GENERAL SPECIFICATIONS

Electrical Rating:	5 amps, 600 volts, 16 amps, 300 volts,
Dielectric Strength:	2500 V rms between all electrical elements of opposite polarity. 2500 V rms between all elements to metal mounting plate

### CONSTRUCTION

Contacts and Internal Metal Tracks:	Plated copper alloy
Screws and Clamping Plates:	Steel, yellow zinc plated
Screw Style and Size:	Combination head, M3 x .5 x 6.35
Screw and Clamping Plate Torque:	8 Inch - Lbs
Internal Metal Tracks, Contacts and Screw Terminals:	One piece construction

### MISCELLANEOUS

Hook-up Wire Range:	AWG #12 to #22 solid or stranded
Molded Material:	UL recognized break resistant electrical grade thermoplastic
Socket Mounting Torque:	7 to 8 Inch - Lbs
Body Color:	Gray
DIN Locking Clip Color:	Red
Weight:	60 grams approx.

**70-750D8- ACCEPTS ALL STANDARD 8 PIN OCTAL PLUG RELAYS**

**STANDARD PART NUMBERS**

**DESCRIPTION**

70 - 750D8 - 1	8 PIN OCTAL FINGER SAFE SOCKET, DIN / PANEL MOUNT, WITH SCREW TERMINALS & CLAMPING PLATES.
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**5 AMPS, 600 VOLTS  
16 AMPS, 300 VOLTS**

**UL** us  
UL Recognized  
File No. E70550

**CS** 97899

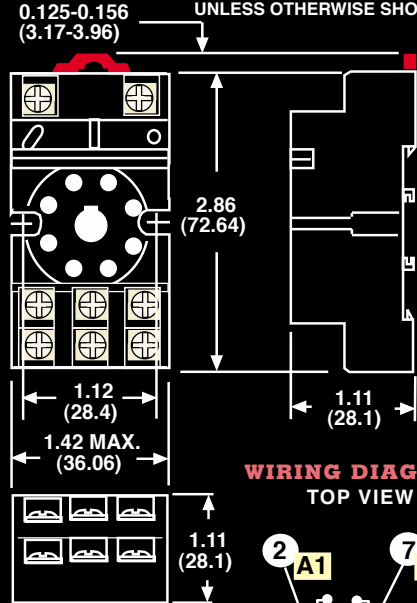
**CE**

COMPLIES WITH REQUIREMENTS OF

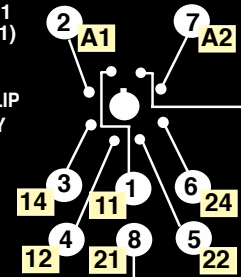
- \* IEC STANDARDS 947-4-1 AND 947-5-1 LOW VOLTAGE DIRECTIVE
- \* IEC = INTERNATIONAL ELECTROTECHNICAL COMMISSION
- \* CE TESTING AND EVALUATION PERFORMED BY THE UNDERWRITERS LABORATORIES AS A THIRD PARTY PARTICIPANT

### OUTLINE DIMENSIONS

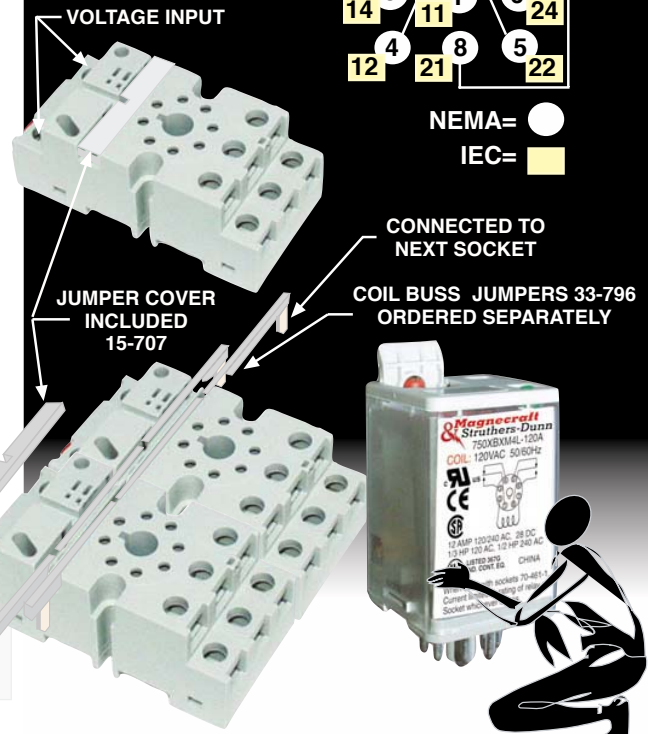
DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).  
TOLERANCES : ± 0.010 ( ± 0.25 )  
UNLESS OTHERWISE SHOWN



### WIRING DIAGRAM TOP VIEW



NEMA= ●  
IEC= ■



CLASS **750D11-**

**LOGIC STYLE 11 PIN OCTAL SOCKET**

**FEATURES**

**ISOLATED INPUTS AND OUTPUT TERMINALS:**

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

**INTERNAL COIL BUSS JUMPER SYSTEM:**

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

**MODULE COMPATIBLE:**

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

**FINGER SAFE:**

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

**36 MILLIMETERS WIDE:**

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

**BENEFITS**

DESIGNED FOR PANEL OR DIN MOUNT.



**GENERAL SPECIFICATIONS**

Electrical Rating:	5 amps, 600 volts, 16 amps, 300 volts
Dielectric Strength:	2500 V rms between all electrical elements of opposite polarity. 2500 V rms between all elements to metal mounting plate

**CONSTRUCTION**

Contacts and Internal Metal Tracks:	Plated copper alloy
Screws and Clamping Plates:	Steel, yellow zinc plated
Screw Style and Size:	Combination head, M3 x .5 x 6.35
Screw and Clamping Plate Torque:	8 Inch - Lbs
Internal Metal Tracks, Contacts and Screw Terminal:	One piece construction

**MISCELLANEOUS**

Hook-up Wire Range:	AWG #12 to #22 solid or stranded.
Molded Material:	UL recognized break resistant electrical grade thermoplastic
Socket Mounting Torque:	7 to 8 Inch - Lbs
Body Color:	Gray
DIN Locking Clip Color:	Red
Weight:	78 grams, approx.

70-750D11- ACCEPTS ALL STANDARD 11 PIN OCTAL PLUG RELAYS

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

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

**UL** us  
UL Recognized  
File No. E70550

**CS** 97899

**CE**

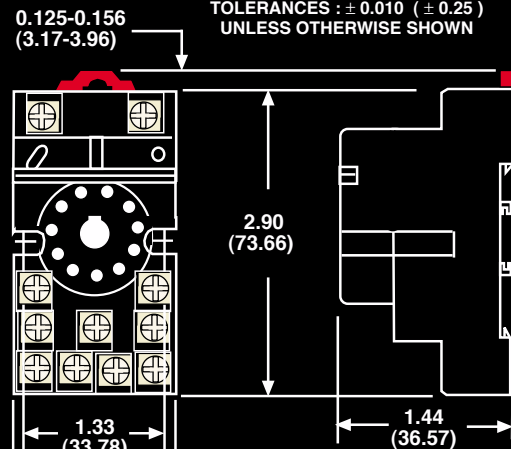
COMPLIES WITH REQUIREMENTS OF

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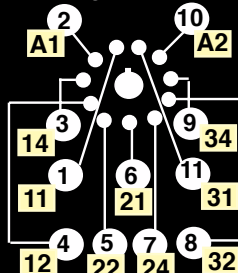
\* IEC = INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

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

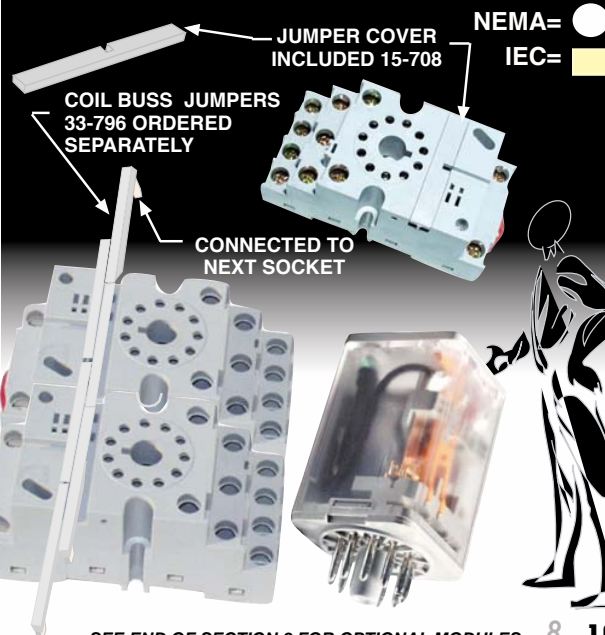


**WIRING DIAGRAM TOP VIEW**



16-1332 HOLD DOWN CLIP ORDERED SEPARATELY

70 - 750D11 - 1



JUMPER COVER INCLUDED 15-708

COIL BUSS JUMPERS 33-796 ORDERED SEPARATELY

CONNECTED TO NEXT SOCKET

NEMA= IEC=

CLASS **70-169-**

# 8 PIN SCREW TERMINAL OCTAL SOCKET

## FEATURES

### LOW PROFILE:

IDEAL IN PANEL MOUNTING APPLICATION WHERE HEIGHT IS AT A PREMIUM.

### HEAVY DUTY 1 PIECE TRACK AND CONTACT SYSTEM:

ALLOWS FOR GREATER HEAT DISSIPATION AND LOWER CONTACT RESISTANCE AT THE RELAY TERMINALS.

### IMPROVED CONTACT DESIGN:

ALLOWS FOR MORE AREA OF CONTACT ON RELAY TERMINALS, RESULTING IN LOWER CONTACT RESISTANCE AT RELAY TERMINALS.

## BENEFITS

**15 AMPS, 300 VOLTS**

**UL** **us**  
UL Recognized  
File No. E70550

**CSA** 97899

**CE**

COMPLIES WITH REQUIREMENTS OF

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

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

DESIGNED FOR PANEL MOUNT.

## GENERAL SPECIFICATIONS

Electrical Rating:	15 amps, 300 volts
Dielectric Strength:	2000 V rms between all electrical elements of opposite polarity. 2000 V rms between all elements to metal mounting plate

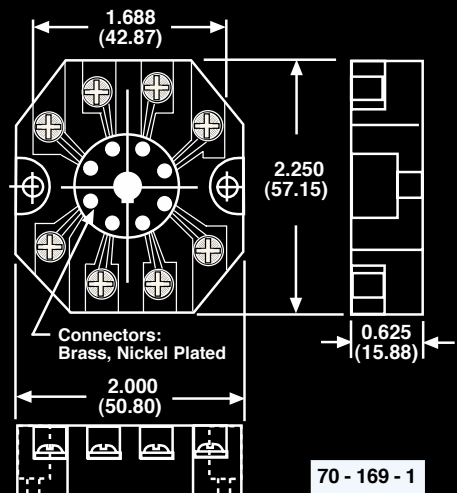
### CONSTRUCTION

Contacts and Internal Metal Tracks:	Brass, nickel plated
Screws and Clamping Plates:	Steel, yellow zinc plated
Screw Style and Size:	Combination head, M3 x 0.5 x 6.35
Screw and Clamping Plate Torque:	9 Inch - Lbs
Internal Metal Tracks, Contacts and Screw Terminal:	One piece construction

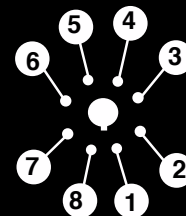
### MISCELLANEOUS

Hook-up Wire Range:	AWG #12 to #22 solid or stranded.
Molded Material:	UL recognized break resistant electrical grade thermoplastic
Socket Mounting Torque:	8 to 10 Inch - Lbs
Body Color:	Gray
Mounting:	Panel
Weight:	40 grams approx.

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



### WIRING DIAGRAM TOP VIEW



70-169- ACCEPTS ALL STANDARD 8 PIN OCTAL PLUG RELAYS

STANDARD PART NUMBERS	DESCRIPTION
70 - 169 - 1	8 PIN OCTAL SOCKET, PANEL MOUNT, WITH SCREW TERMINALS & CLAMPING PLATES.



CLASS **70-170-**

# 11 PIN SCREW TERMINAL OCTAL SOCKET

**15 AMPS, 300VOLTS**

## FEATURES

**LOW PROFILE:**

IDEAL IN PANEL MOUNTING APPLICATION WHERE HEIGHT IS AT A PREMIUM.

**HEAVY DUTY 1 PIECE TRACK AND CONTACT SYSTEM:**

ALLOWS FOR GREATER HEAT DISSIPATION AND LOWER CONTACT RESISTANCE AT THE RELAY TERMINALS.

**IMPROVED CONTACT DESIGN:**

ALLOWS FOR MORE AREA OF CONTACT ON RELAY TERMINALS, RESULTING IN LOWER CONTACT RESISTANCE AT RELAY TERMINALS.

## BENEFITS



UL Recognized  
File No. E70550



COMPLIES WITH REQUIREMENTS OF

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

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

DESIGNED FOR PANEL MOUNT.

## GENERAL SPECIFICATIONS

Electrical Rating: 15 amps, 300 volts  
Dielectric Strength: 2000 V rms between all electrical elements of opposite polarity. 2000 V rms between all elements to metal mounting plate

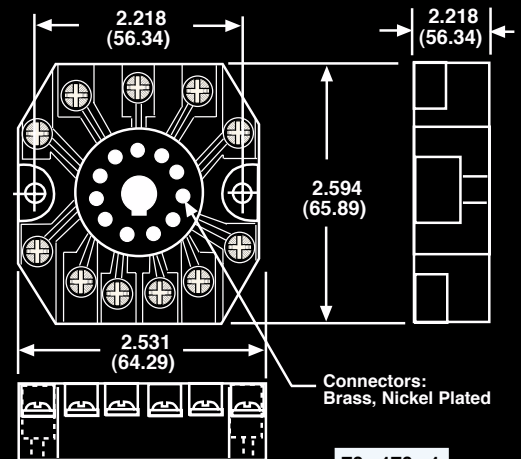
### CONSTRUCTION

Contacts and Internal Metal Tracks: Brass, nickel plated  
Screws and Clamping Plates: Steel, yellow zinc plated  
Screw Style and Size: Combination head, M3 x 0.5 x 6.35  
Screw and Clamping Plate Torque: 9 Inch - Lbs  
Internal Metal Tracks, Contacts and Screw Terminal: One piece construction

### MISCELLANEOUS

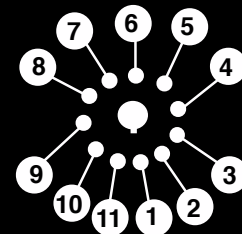
Hook-up Wire Range: AWG #12 to #22 solid or stranded  
Molded Material: UL recognized break resistant electrical grade thermoplastic  
Socket Mounting Torque: 8 to 10 Inch - Lbs  
Body Color: Gray  
Mounting: Panel  
Weight: 70 grams approx

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



70 - 170 - 1

### WIRING DIAGRAM TOP VIEW



70-170- ACCEPTS ALL STANDARD 11 PIN OCTAL PLUG RELAYS

STANDARD PART NUMBERS	DESCRIPTION
70 - 170 - 1	11 PIN OCTAL SOCKET, PANEL MOUNT, WITH SCREW TERMINALS & CLAMPING PLATES.



CLASS **70-459-**

# 8 PIN MINIATURE DIN/PANEL MOUNT SOCKET

## FEATURES

**HEAVY DUTY 1 PIECE TRACK AND CONTACT SYSTEM:**

ALLOWS FOR GREATER HEAT DISSIPATION AND LOWER CONTACT RESISTANCE AT THE RELAY TERMINALS.

**IMPROVED CONTACT DESIGN:**

ALLOWS FOR MORE AREA OF CONTACT ON RELAY TERMINALS, RESULTING IN LOWER CONTACT RESISTANCE AT RELAY TERMINALS.

**STANDARD DIN RAIL MOUNTING:**

FITS ALL STANDARD 35 MILLIMETER DIN TRACKS.

## BENEFITS

**10 AMPS, 300 VOLTS**



UL Recognized  
File No. E70550



COMPLIES WITH REQUIREMENTS OF

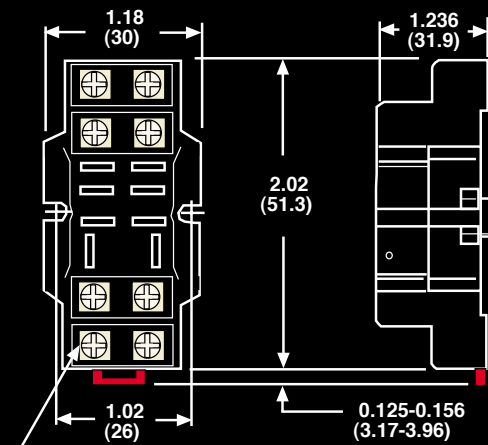
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\* CE TESTING AND EVALUATION PERFORMED BY THE UNDERWRITERS LABORATORIES AS A THIRD PARTY PARTICIPANT

## OUTLINE DIMENSIONS

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



16-1197 HOLD DOWN CLIP  
ORDERED SEPARATELY  
16-1341 UNIVERSAL HOLD  
DOWN CLIP FITS RELAY  
HEIGHTS FROM 1.27" TO 1.53".

## WIRING DIAGRAM TOP VIEW



70 - 459 - 1

DESIGNED FOR PANEL OR DIN MOUNT.

## GENERAL SPECIFICATIONS

Electrical Rating:	10 amps, 300 volts
Dielectric Strength:	2000 V rms between all electrical elements of opposite polarity. 2000 V rms between all elements to metal mounting plate

### CONSTRUCTION

Contacts and Internal Metal Tracks:	Plated copper alloy
Screws and Clamping Plates:	Steel, yellow zinc plated
Screw Style and Size:	Combination head, M3 x 0.5 x 6.35
Screw and Clamping Plate Torque:	8 Inch - Lbs
Internal Metal Tracks, Contacts and Screw Terminals:	One piece construction

### MISCELLANEOUS

Hook-up Wire Range:	AWG #12 to #22 solid or stranded
Molded Material:	UL recognized break resistant electrical grade thermoplastic
Socket Mounting Torque:	7 to 8 Inch - Lbs
Body Color:	Gray
DIN Locking Clip Color:	Red
Weight:	49.8 grams approx.

16-1342 UNIVERSAL HOLD  
DOWN CLIP REPLACES  
16-1197 OR 16-1341  
ORDERED SEPARATELY

### STANDARD PART NUMBERS

70 - 459 - 1

### DESCRIPTION

8 PIN SOCKET, DIN / PANEL MOUNT,  
WITH SCREW TERMINALS & CLAMPING PLATES.



CLASS **70-461-**

# 14 PIN MINIATURE DIN/PANEL MOUNT SOCKET

## FEATURES

**HEAVY DUTY 1 PIECE TRACK AND CONTACT SYSTEM:**

ALLOWS FOR GREATER HEAT DISSIPATION AND LOWER CONTACT RESISTANCE AT THE RELAY TERMINALS.

**IMPROVED CONTACT DESIGN:**

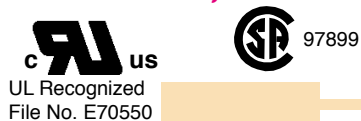
ALLOWS FOR MORE AREA OF CONTACT ON RELAY TERMINALS, RESULTING IN LOWER CONTACT RESISTANCE AT RELAY TERMINALS.

**STANDARD DIN RAIL MOUNTING:**

FITS ALL STANDARD 35 MILLIMETER DIN TRACKS.

## BENEFITS

**10 AMPS, 300 VOLTS**



COMPLIES WITH REQUIREMENTS OF

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

\* IEC = INTERNATIONAL ELECTROTECHNICAL COMMISSION

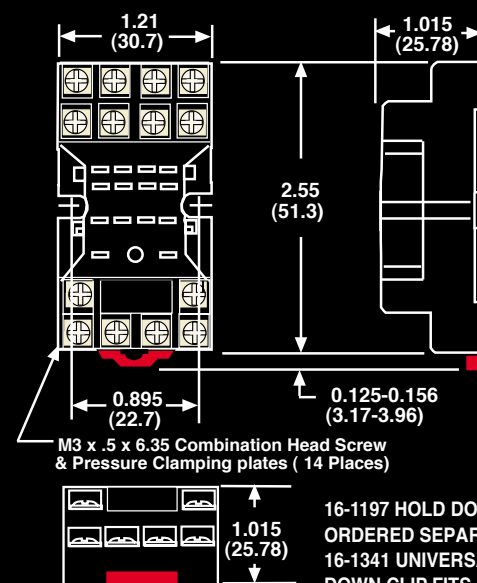
\* CE TESTING AND EVALUATION PERFORMED BY THE UNDERWRITERS LABORATORIES AS A THIRD PARTY PARTICIPANT

## OUTLINE DIMENSIONS

DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).

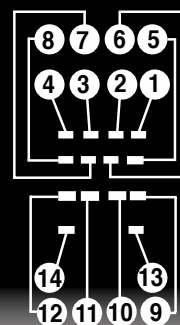
TOLERANCES : ± 0.010 ( ± 0.25 )

UNLESS OTHERWISE SHOWN



16-1197 HOLD DOWN CLIP ORDERED SEPARATELY  
16-1341 UNIVERSAL HOLD DOWN CLIP FITS RELAY HEIGHTS FROM 1.27" TO 1.53"

## WIRING DIAGRAM TOP VIEW



16-1342 UNIVERSAL HOLD DOWN CLIP REPLACES 16-1197 OR 16-1341 ORDERED SEPARATELY

70 - 461 - 1

DESIGNED FOR PANEL OR DIN MOUNT.

## GENERAL SPECIFICATIONS

Electrical Rating: 10 amps, 300 volts  
Dielectric Strength: 1600 V rms between all electrical elements of opposite polarity.  
1600 V rms between all elements to metal mounting plate

### CONSTRUCTION

Contacts and Internal Metal Tracks: Plated copper alloy  
Screws and Clamping Plates: Steel, yellow zinc plated  
Screw Style and Size: Combination head, M3 x .5 x 6.35  
Screw and Clamping Plate Torque: 7 Inch - Lbs  
Internal Metal Tracks, Contacts and Screw Terminals: One piece construction

### MISCELLANEOUS

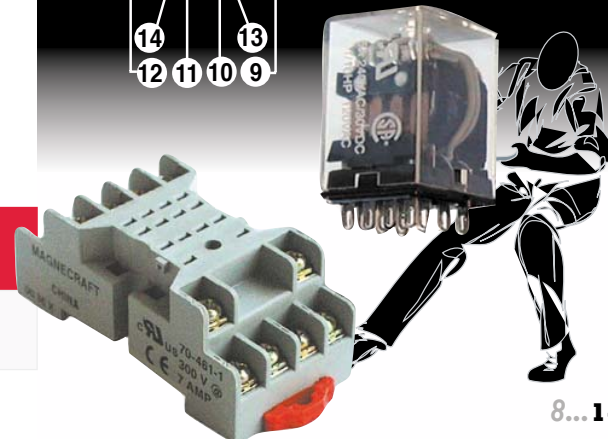
Hook-up Wire Range: AWG #14 to #22 solid or stranded  
Molded Material: UL recognized break resistant electrical grade thermoplastic  
Socket Mounting Torque: 7 to 8 Inch - Lbs  
Body Color: Gray  
DIN Locking Clip Color: Red  
Weight: 42 grams approx.

### STANDARD PART NUMBERS

### DESCRIPTION

70 - 461 - 1

14 PIN SOCKET, DIN / PANEL MOUNT, WITH SCREW TERMINALS & CLAMPING PLATES.



CLASS **70-**

# SOLDER & PRINTED CIRCUIT SOCKETS

**10 AMPS, 300 VOLTS**  
**5 AMPS, 300 VOLTS**

DESIGNED FOR PANEL  
OR PRINTED CIRCUIT

**UL** us  
UL Recognized  
File No. E70550

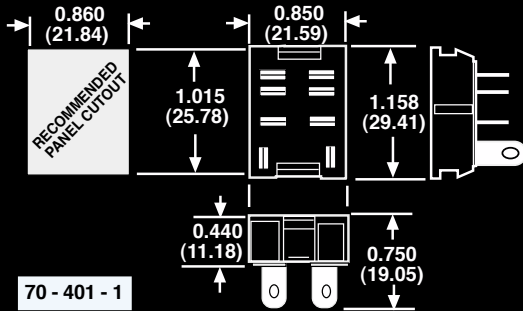
**SP** 97899



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

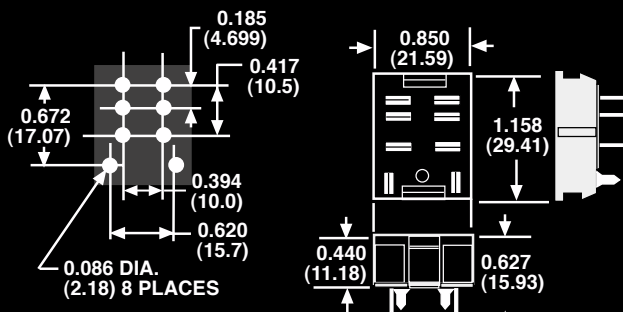
**OUTLINE DIMENSIONS**  
DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).  
TOLERANCES : ± 0.010 ( ± 0.25 )  
UNLESS OTHERWISE SHOWN



**70 - 401 - 1**

16 -1197 EAST-WEST HOLD DOWN CLIP ORDERED SEPARATELY.  
16 -1324 NORTH- SOUTH HOLD DOWN CLIP ORDERED SEPARATELY.

**RECOMMENDED PRINTED CIRCUIT LAYOUT**  
VIEWED FROM COMPONENT SIDE



**70 - 402 - 1**

16 -1197 EAST-WEST HOLD DOWN CLIP ORDERED SEPARATELY.  
16 -1324 NORTH- SOUTH HOLD DOWN CLIP ORDERED SEPARATELY.

## GENERAL SPECIFICATIONS

- Electrical Rating: 10 amps, 300 volts for 1 & 2 pole, 5 amps, 300 volts for 4 pole
- Dielectric Strength: 1500 V rms between all electrical elements of opposite polarity. 1500 V rms between all elements to metal mounting plate

### CONSTRUCTION

Contacts: Plated copper alloy

### MISCELLANEOUS

- Hook-up Wire: Up to A.W.G. #17 solid or stranded
- Molded Material: UL recognized break resistant electrical grade thermoplastic
- Body Color: Gray
- Weight: 6.2 grams for 70-378- solder terminals  
5.9 grams for 70-379- printed circuit terminals  
6.5 grams for 70-401- solder terminals  
5.8 grams for 70-402- printed circuit terminals

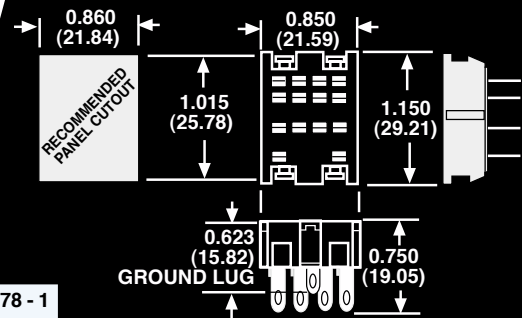
**STANDARD PART NUMBERS**

**DESCRIPTION**

70 - 401 - 1	8 PIN SOLDER TERMINALS
70 - 402 - 1	8 PIN PRINTED CIRCUIT TERMINALS
70 - 378 - 1	14 PIN SOLDER TERMINALS
70 - 379 - 1	14 PIN PRINTED CIRCUIT TERMINALS



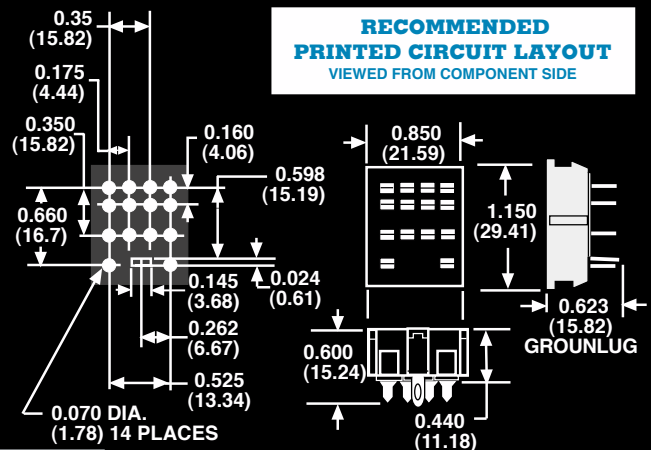
**OUTLINE DIMENSIONS**  
DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).  
TOLERANCES : ± 0.010 ( ± 0.25 )  
UNLESS OTHERWISE SHOWN



**70 - 378 - 1**

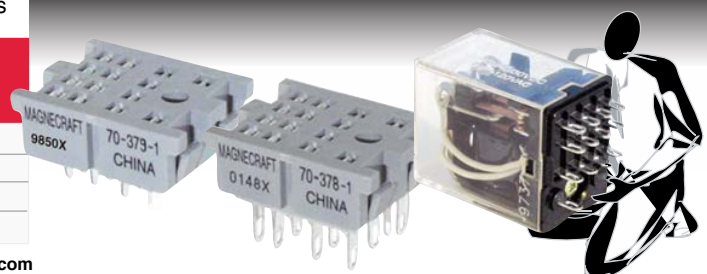
16 -1197 EAST-WEST HOLD DOWN CLIP ORDERED SEPARATELY.  
16 -1324 NORTH- SOUTH HOLD DOWN CLIP ORDERED SEPARATELY.

**RECOMMENDED PRINTED CIRCUIT LAYOUT**  
VIEWED FROM COMPONENT SIDE



**70 - 379 - 1**

16 -1197 EAST-WEST HOLD DOWN CLIP ORDERED SEPARATELY.  
16 -1324 NORTH- SOUTH HOLD DOWN CLIP ORDERED SEPARATELY.



CLASS **70-463-**

# UP TO 3PDT 11 PIN SCREW TERMINAL SOCKET

**15 AMPS 300 VOLTS**

## FEATURES

**HEAVY DUTY 1 PIECE TRACK AND CONTACT SYSTEM:**

**STANDARD DIN RAIL MOUNTING:**

## BENEFITS

ALLOWS FOR GREATER HEAT DISSIPATION AND LOWER CONTACT RESISTANCE AT THE RELAY TERMINALS.

FITS ALL STANDARD 35 MILLIMETER DIN TRACKS.

**UL**  
UL Recognized  
File No. E70550

**SP** 97899

**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

DESIGNED FOR PANEL OR DIN MOUNT.

## GENERAL SPECIFICATIONS

Electrical Rating: 15 amps, 300 volts  
Dielectric Strength: 2000 V rms between all electrical elements of opposite polarity  
2000 V rms between all elements to metal mounting plate

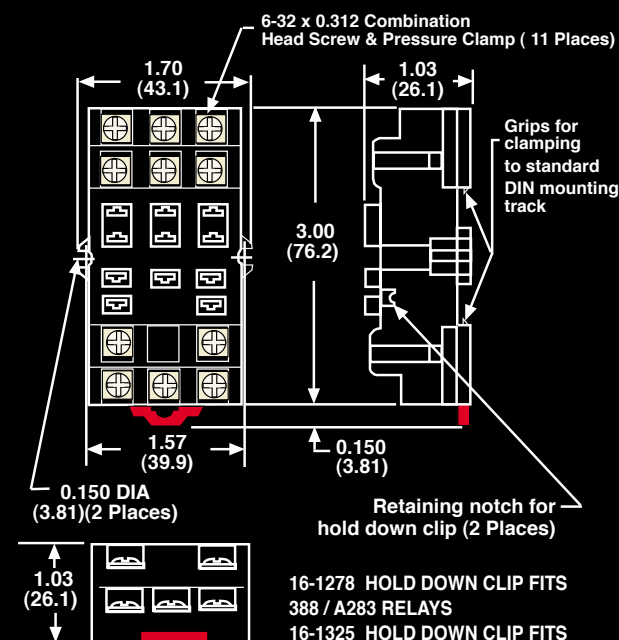
### CONSTRUCTION

Contacts and Internal Metal Tracks: Plated copper alloy  
Screws and Clamping Plates: Steel, yellow zinc plated  
Screw Style and Size: Combination head, M3 x 0.5 x 6.35  
Screw and Clamping Plate Torque: 9 Inch - Lbs  
Internal Metal Tracks, Contacts and Screw Terminal: One piece construction

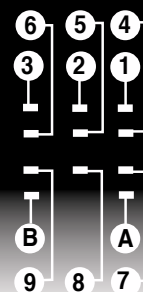
### MISCELLANEOUS

Hook-up Wire Range: AWG #12 to #22 solid or stranded.  
Molded Material: UL recognized break resistant electrical grade thermoplastic  
Socket Mounting Torque: 8 to 10 Inch - Lbs.  
Body Color: Gray  
DIN Locking Clip Color: Red  
Weight: 50.6 grams approx.

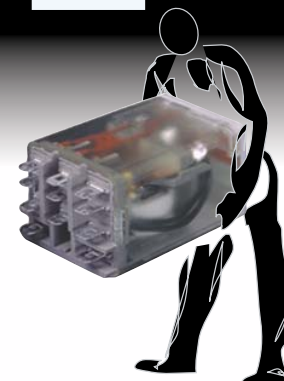
**OUTLINE DIMENSIONS**  
DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).  
TOLERANCES : ± 0.010 ( ± 0.25 )  
UNLESS OTHERWISE SHOWN



### WIRING DIAGRAM TOP VIEW



70 - 463 - 1



### STANDARD PART NUMBERS

### DESCRIPTION

70 - 463 - 1 11 PIN SOCKET, DIN/PANEL MOUNT, WITH SCREW TERMINALS & CLAMPING PLATES.



CLASS **70-**

**SOLDER, QUICK CONNECT OR PRINTED CIRCUIT SOCKETS**

**15 AMPS, 300 VOLTS**

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

**RECOMMENDED CHASSIS CUTOUT**  
BOTTOM VIEW

**UL** **us**  
UL Recognized  
File No. E70550



COMPLIES WITH REQUIREMENTS OF

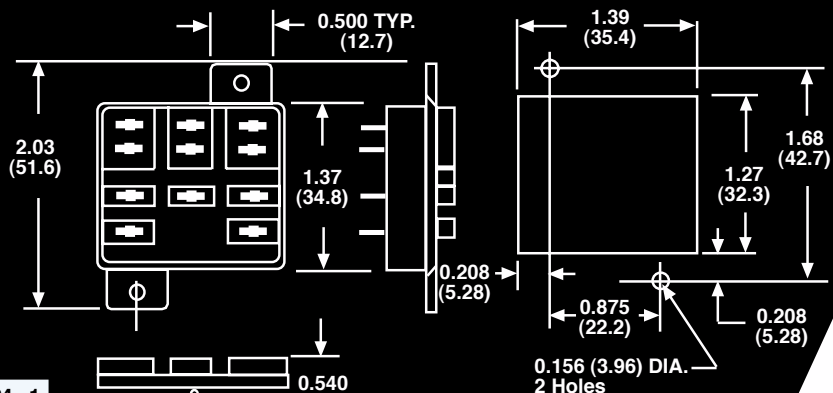
\* IEC STANDARDS 947-4-1 AND 947-5-1 LOW VOLTAGE DIRECTIVE

\* IEC = INTERNATIONAL ELECTROTECHNICAL COMMISSION

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



- 16-1278 **HOLD DOWN CLIP FITS A283 RELAYS**
- 16-1325 **HOLD DOWN CLIP FITS 788 RELAYS**
- 16-1340 **UNIVERSAL HOLD DOWN CLIP FITS RELAY HEIGHTS FROM 1.90 "TO 2.15"**
- 16-1239 **HOLD DOWN CLIP FITS 388 TDR LONG BODY RELAYS**
- 16-722-2 **HOLD DOWN CLIP SAME AS 16-1278 EXCEPT MOUNTS TO SOCKET TABS WITH SCREWS . HOLD DOWN CLIPS ORDERED SEPARATELY**



**70 - 124 - 1**

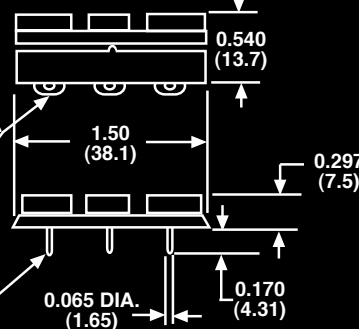
0.130 Solder terminals with mounting tabs

**70 - 124 - 2**

0.187 (3/16") quick connect terminals with mounting tabs

**70 - 178 - 1**

Printed circuit terminals with mounting tabs



**DESIGNED FOR PANEL OR PRINTED CIRCUIT**

**GENERAL SPECIFICATIONS**

Electrical Rating: 15 amps, 300 volts  
Dielectric Strength: 2500 V rms between all electrical elements of opposite polarity. 2500 V rms between all elements to metal mounting plate

**CONSTRUCTION**

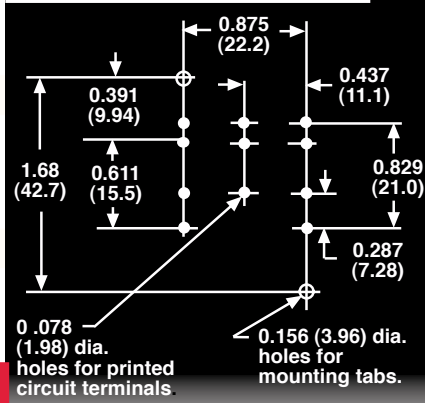
Contacts: Brass tin plated

**MISCELLANEOUS**

Hook-up Wire: Up to A.W.G. #16 solid or stranded  
Molded Material: UL recognized break resistant electrical grade thermoplastic  
Body Color: Gray  
Weight: 12.1 grams for 70-124-1 & 70-124-2  
9.4 grams for 70-178-1 & 70-178-2

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

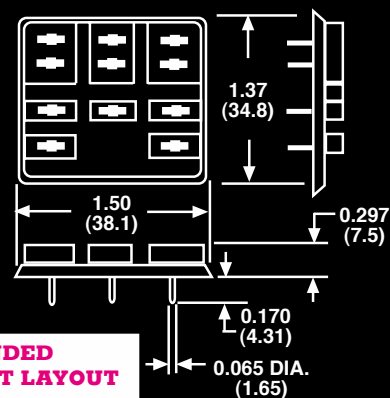
**RECOMMENDED PRINTED CIRCUIT LAYOUT**  
TOP VIEW



**NOTE:**  
0.156 HOLES NOT REQUIRED WHEN USING SOCKET WITHOUT TABS

**70 - 178 - 2**

Printed circuit terminals without mounting tabs



STANDARD PART NUMBERS	DESCRIPTION
70 - 124 - 1	11 PIN 0.130 SOLDER TERMINALS WITH MOUNTING TABS
70 - 124 - 2	11 PIN 3/16" (0.187) QUICK CONNECT TERMINALS WITH MOUNTING TABS
70 - 178 - 1	11 PIN PRINTED CIRCUIT TERMINALS WITH MOUNTING TABS
70 - 178 - 2	11 PIN PRINTED CIRCUIT TERMINALS WITHOUT MOUNTING TABS

CLASS **70-781D-**

# SPDT SCREW TERMINAL SOCKET

**15 AMPS, 300 VOLTS**

### FEATURES

**HEAVY DUTY 1 PIECE TRACK AND CONTACT SYSTEM:**

ALLOWS FOR GREATER HEAT DISSIPATION AND LOWER CONTACT RESISTANCE AT THE RELAY TERMINALS.

**IMPROVED CONTACT DESIGN:**

ALLOWS FOR MORE AREA OF CONTACT ON RELAY TERMINALS, RESULTING IN LOWER CONTACT RESISTANCE AT RELAY TERMINALS.

**FINGER SAFE:**

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

**PLASTIC HOLD DOWN CLIP AND I.D TAG SYSTEM:**

ALLOWS FOR QUICK LOCKING OF RELAY IN TO SOCKETS AND REMAINS WITH SOCKET IF RELAY IS REMOVED. I.D. TAG IS IDEAL FOR CIRCUIT OR RELAY IDENTIFICATION.

**STANDARD DIN RAIL MOUNTING:**

FITS ALL STANDARD 35 MILLIMETER DIN TRACKS.

### BENEFITS

**UL** **us**  
UL Recognized  
File No. E70550

**SP** 97899

**CE**

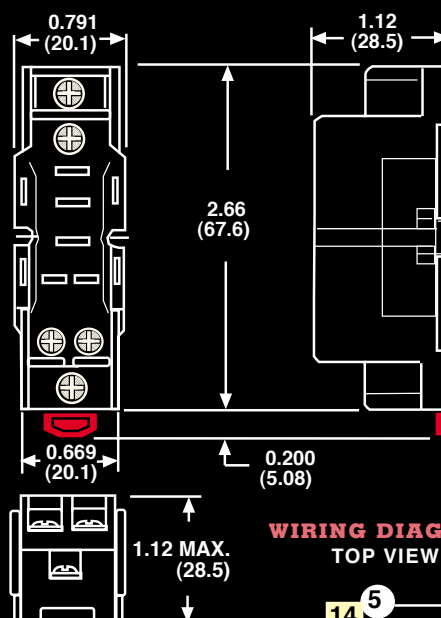
COMPLIES WITH REQUIREMENTS OF

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

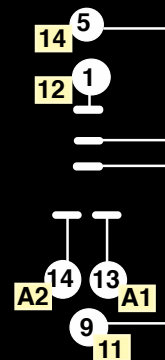
\* IEC = INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

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



### WIRING DIAGRAM TOP VIEW



NEMA=   
IEC=

DESIGNED FOR PANEL OR DIN MOUNT.  
HOLD DOWN CLIP IS INCLUDED

**NEW**  
From The Market  
Leader in Industrial  
Relays

## GENERAL SPECIFICATIONS

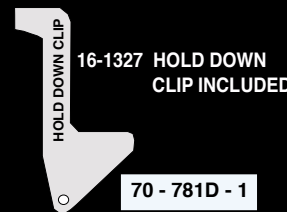
Electrical Rating: 15 amps, 300 VAC  
Dielectric Strength: 2500 V rms between all electrical elements of opposite polarity.  
2500 V rms between all elements to metal mounting plate

### CONSTRUCTION

Contacts and Internal Metal Tracks: Plated copper alloy  
Screws and Clamping Plates: Steel, yellow zinc plated  
Screw Style and Size: Combination head, M3 x .5 x 6.35  
Screw and Clamping Plate Torque: 8 Inch - Lbs  
Internal Metal Tracks, Contacts and Screw Terminal: One piece construction

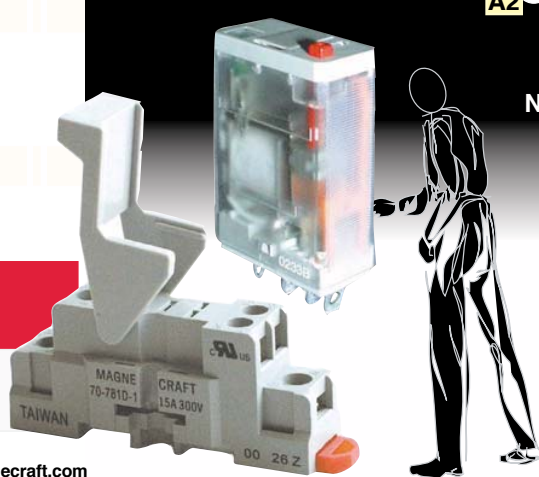
### MISCELLANEOUS

Hook-up Wire Range: AWG #12 to #22 solid or stranded  
Molded Material: UL recognized break resistant electrical grade thermoplastic  
Socket Mounting Torque: 7 to 8 Inch - Lbs  
Body Color: Gray  
DIN Locking Clip Color: Red  
Weight: 32 grams approx.



70-781D-1

STANDARD PART NUMBERS	DESCRIPTION
70-781D-1	5 PIN SOCKET, FINGER SAFE, DIN / PANELMOUNT WITH SCREW TERMINALS & CLAMPING PLATES.

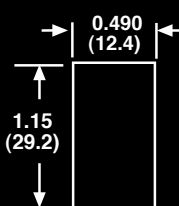
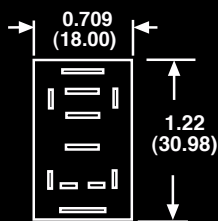


CLASS **70-781F & 781T** SPDT SOLDER OR PRINTED CIRCUIT SOCKETS

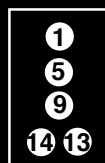
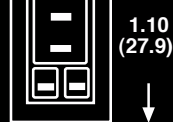
**15 AMPS, 300 VOLTS**

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

**RECOMMENDED CHASSIS CUTOUT**  
TOP VIEW



**WIRING DIAGRAM**  
TOP VIEW



70 - 781F - 1

16-1326 HOLD DOWN CLIP ORDERED SEPARATELY



**NEW**  
From The Market  
Leader in Industrial  
Relays

**UL US**  
UL Recognized  
File No. E70550

**SP** 97899



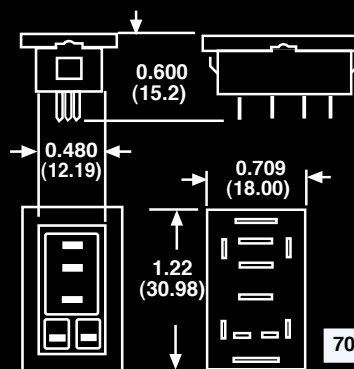
COMPLIES WITH REQUIREMENTS OF

\* 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

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

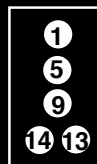
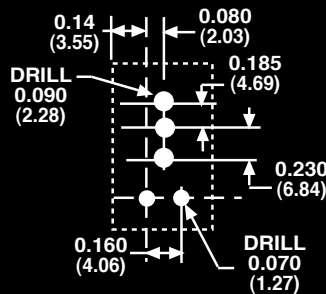


70 - 781T - 1

16-1326 HOLD DOWN CLIP ORDERED SEPARATELY

**WIRING DIAGRAM**  
TOP VIEW

**RECOMMENDED PRINTED CIRCUIT LAYOUT**  
TOP VIEW



DESIGNED FOR PANEL OR PRINTED CIRCUIT.

**GENERAL SPECIFICATIONS**

Electrical Rating: 15 amps, 300 VAC  
Dielectric Strength: 2500 V rms between all electrical elements of opposite polarity 2500 V rms between all elements to metal mounting plate

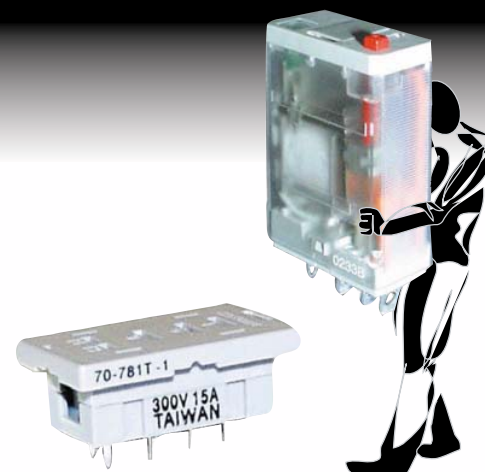
**CONSTRUCTION**

Contacts: Plated copper alloy

**MISCELLANEOUS**

Hook-up Wire Range: AWG #14 to #22 solid or stranded  
Molded Material: UL recognized break resistant electrical grade thermoplastic  
Body Color: Gray  
Weight: 6 grams, approx.

STANDARD PART NUMBERS	DESCRIPTION
70 - 781F - 1	5 PIN, SOLDER TERMINALS, FOR PANEL MOUNT
70 - 781T - 1	5 PIN, PRINTED CIRCUIT TERMINALS



**FEATURES**

**HEAVY DUTY 1 PIECE TRACK AND CONTACT SYSTEM:**

ALLOWS FOR GREATER HEAT DISSIPATION AND LOWER CONTACT RESISTANCE AT THE RELAY TERMINALS.

**IMPROVED CONTACT DESIGN:**

ALLOWS FOR MORE AREA OF CONTACT ON RELAY TERMINALS, RESULTING IN LOWER CONTACT RESISTANCE AT RELAY TERMINALS.

**FINGER SAFE:**

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

**MODULE COMPATIBLE:**

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

**TWO WAY PANEL MOUNTING:**

RETROFITS BOTH IDEC AND OMRON MOUNTING. IDEAL REPLACEMENT FOR EXISTING SOCKETS.

**PLASTIC HOLD DOWN CLIP AND I.D TAG SYSTEM:**

ALLOWS FOR QUICK LOCKING OF RELAY INTO SOCKETS AND REMAINS WITH SOCKET IF RELAY IS REMOVED. I.D. TAG IS IDEAL FOR CIRCUIT OR RELAY IDENTIFICATION.

**BENEFITS**

**16/20 AMPS, 300 VOLTS**

**UL** us  
UL Recognized  
File No. E70550

**SP** 97899

**CE**

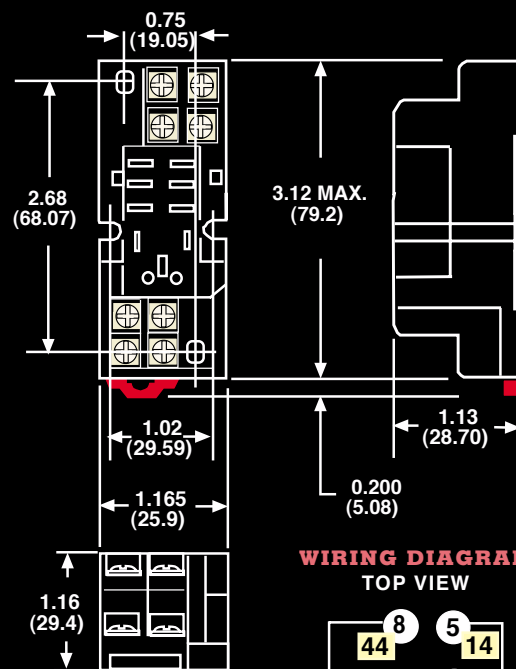
COMPLIES WITH REQUIREMENTS OF

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

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



**WIRING DIAGRAM**  
TOP VIEW

70 - 782D - 1



DESIGNED FOR PANEL OR DIN MOUNT.  
HOLD DOWN CLIP IS INCLUDED



**GENERAL SPECIFICATIONS**

Electrical Rating:	16 amps, 300 volts, 20 amps, 300 volts when used in parallel.
Dielectric Strength:	2000 V rms between all electrical elements of opposite polarity 2000 V rms between all elements to metal mounting plate

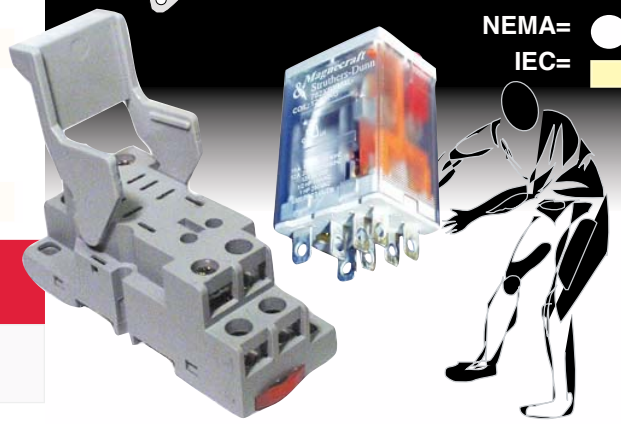
**CONSTRUCTION**

Contacts and Internal Metal Tracks:	Plated copper alloy
Screws and Clamping Plates:	Steel, yellow zinc plated
Screw Style and Size:	Combination head, M3 x .5 x 6.35
Screw and Clamping Plate Torque:	8 Inch - Lbs
Internal Metal Tracks, Contacts and Screw Terminal:	One piece construction

**MISCELLANEOUS**

Hook-up Wire Range:	AWG #12 to #22 solid or stranded
Molded Material:	UL recognized break resistant electrical grade thermoplastic
Socket Mounting Torque:	7 to 8 Inch - Lbs
Body Color:	Gray
DIN Locking clip color:	Red
Weight:	55 grams approx.

STANDARD PART NUMBERS	DESCRIPTION
70 - 782D - 1	8 PIN SOCKET, DIN / PANEL MOUNT, WITH SCREW TERMINALS & CLAMPING PLATES.



NEMA=   
IEC=

# CLASS 70-783D- 3PDT 11 PIN SCREW TERMINAL SOCKET

## FEATURES

**HEAVY DUTY 1 PIECE TRACK AND CONTACT SYSTEM:**

ALLOWS FOR GREATER HEAT DISSIPATION AND LOWER CONTACT RESISTANCE AT THE RELAY TERMINALS.

**IMPROVED CONTACT DESIGN:**

ALLOWS FOR MORE AREA OF CONTACT ON RELAY TERMINALS, RESULTING IN LOWER CONTACT RESISTANCE AT RELAY TERMINALS.

**FINGER SAFE:**

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

**MODULE COMPATIBLE:**

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

**TWO WAY PANEL MOUNTING:**

RETROFITS BOTH IDEC AND OMRON MOUNTING. IDEAL REPLACEMENT FOR EXISTING SOCKET.

**PLASTIC HOLD DOWN CLIP AND I.D TAG SYSTEM:**

ALLOWS FOR QUICK LOCKING OF RELAY INTO SOCKETS AND REMAINS WITH SOCKET IF RELAY IS REMOVED I.D. TAG IS IDEAL FOR CIRCUIT OR RELAY IDENTIFICATION.

## BENEFITS

**16 AMPS, 300 VOLTS**



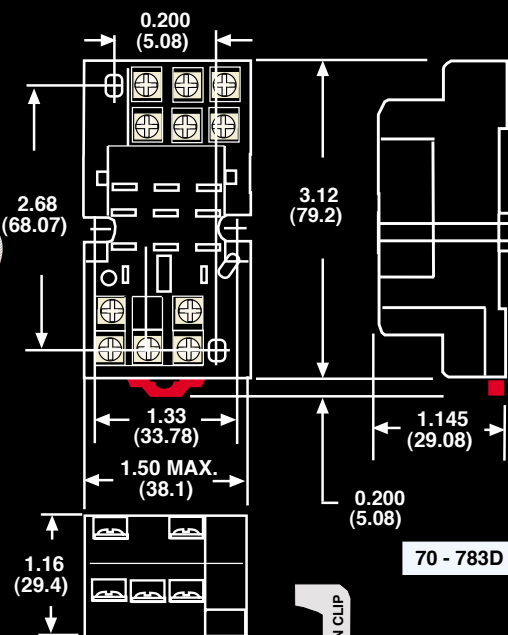
COMPLIES WITH REQUIREMENTS OF

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

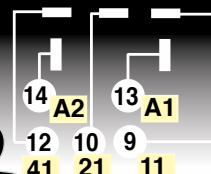
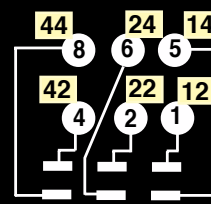
\* IEC = INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

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



**WIRING DIAGRAM TOP VIEW**



70 - 783D - 1



NEMA= IEC=

**NEW**  
From The Market  
Leader in Industrial  
Relays

DESIGNED FOR PANEL OR DIN MOUNT.  
HOLD DOWN CLIP IS INCLUDED

## GENERAL SPECIFICATIONS

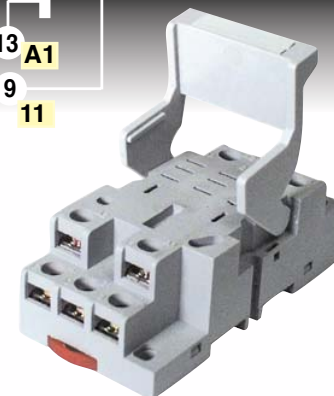
Electrical Rating:	16 amps, 300 volts
Dielectric Strength:	2000 V rms between all electrical elements of opposite polarity 2000 V rms between all elements to metal mounting plate

### CONSTRUCTION

Contacts and internal metal tracks:	Plated copper alloy
Screws and clamping plates:	Steel, yellow zinc plated
Screw style and size:	Combination head, M3 x .5 x 6.35
Screw and clamping plate torque:	8 Inch Lbs
Internal metal tracks, contacts and screw terminal:	One piece construction

### MISCELLANEOUS

Hook-up Wire Range:	AWG #12 to #22 solid or stranded
Molded Material:	UL recognized break resistant electrical grade thermoplastic
Socket Mounting Torque:	7 to 8 Inch Lbs
Body Color:	Gray
DIN Locking clip color:	Red
Weight:	62 grams approx.



### STANDARD PART NUMBERS

### DESCRIPTION

70 - 783D - 1	11 PIN, SOCKET, DIN / PANEL MOUNT, WITH SCREW TERMINALS & CLAMPING PLATES.
---------------	--

CLASS **70-784D-**

**4PDT 14 PIN SCREW TERMINAL SOCKET**

**FEATURES**

**HEAVY DUTY 1 PIECE TRACK AND CONTACT SYSTEM:**

ALLOWS FOR GREATER HEAT DISSIPATION AND LOWER CONTACT RESISTANCE AT THE RELAY TERMINALS.

**IMPROVED CONTACT DESIGN:**

ALLOWS FOR MORE AREA OF CONTACT ON RELAY TERMINALS, RESULTING IN LOWER CONTACT RESISTANCE AT RELAY TERMINALS.

**FINGER SAFE:**

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

**MODULE COMPATIBLE:**

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

**TWO WAY PANEL MOUNTING:**

RETROFITS BOTH IDEC AND OMRON MOUNTING. IDEAL REPLACEMENT FOR EXISTING SOCKET.

**PLASTIC HOLD DOWN CLIP AND I.D TAG SYSTEM:**

ALLOWS FOR QUICK LOCKING OF RELAY INTO SOCKETS AND REMAINS WITH SOCKET IF RELAY IS REMOVED I.D. TAG IS IDEAL FOR CIRCUIT OR RELAY IDENTIFICATION.

**BENEFITS**

**16 AMPS, 300 VOLTS**

**UL** us  
UL Recognized  
File No. E70550

**97899**

**CE**

COMPLIES WITH REQUIREMENTS OF

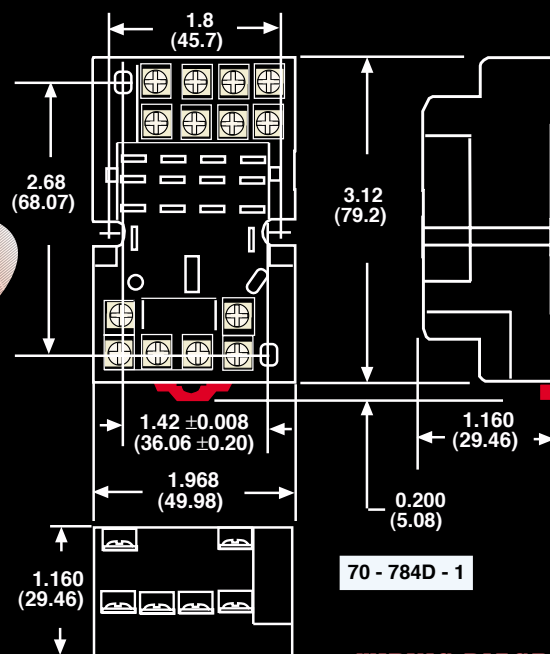
\* IEC STANDARDS 947-4-1 AND 947-5-1 LOW VOLTAGE DIRECTIVE

\* IEC = INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

**OUTLINE DIMENSIONS**

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



**DESIGNED FOR PANEL OR DIN MOUNT.  
HOLD DOWN CLIP IS INCLUDED**

**NEW**  
From The Market  
Leader in Industrial  
Relays

**GENERAL SPECIFICATIONS**

Electrical Rating:	16 amps, 300 volts
Dielectric Strength:	2000 V rms between all electrical elements of opposite polarity 2000 V rms between all elements to metal mounting plate

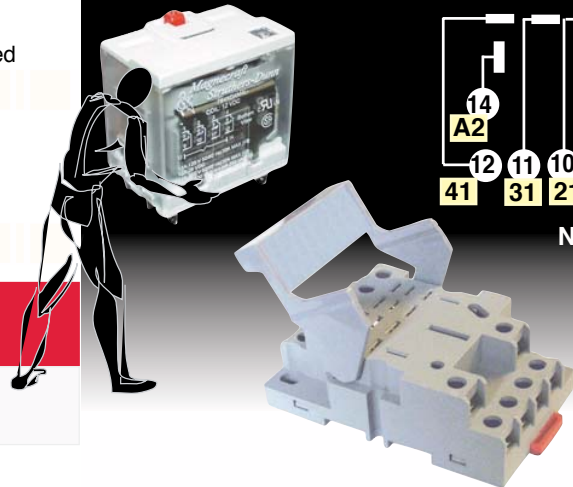
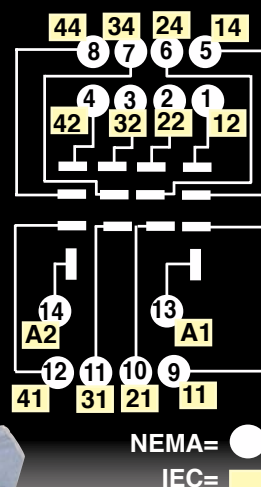
**CONSTRUCTION**

Contacts and Internal Metal Tracks:	Plated copper alloy
Screws and Clamping Plates:	Steel, yellow zinc plated
Screw Style and Size:	Combination head, M3 x 0.5 x 6.35
Screw and Clamping Plate Torque:	7 Inch - Lbs
Internal Metal Tracks, Contacts and Screw Terminal:	One piece construction

**MISCELLANEOUS**

Hook-up Wire Range:	AWG #12 to #22 solid or stranded
Molded Material:	UL recognized break resistant electrical grade thermoplastic
Socket Mounting Torque:	7 to 8 Inch - Lbs
Body Color:	Gray
DIN Locking Clip Color:	Red
Weight:	77 grams approx.

**WIRING DIAGRAM  
TOP VIEW**



STANDARD PART NUMBERS	DESCRIPTION
70 - 784D - 1	14 PIN, SOCKET, DIN / PANEL MOUNT, WITH SCREW TERMINALS & CLAMPING PLATES.

CLASS **67** **SOLDER OR PRINTED CIRCUIT TERMINAL SOCKETS**

**10 AMPS 300 VOLTS**

**GENERAL SPECIFICATIONS**

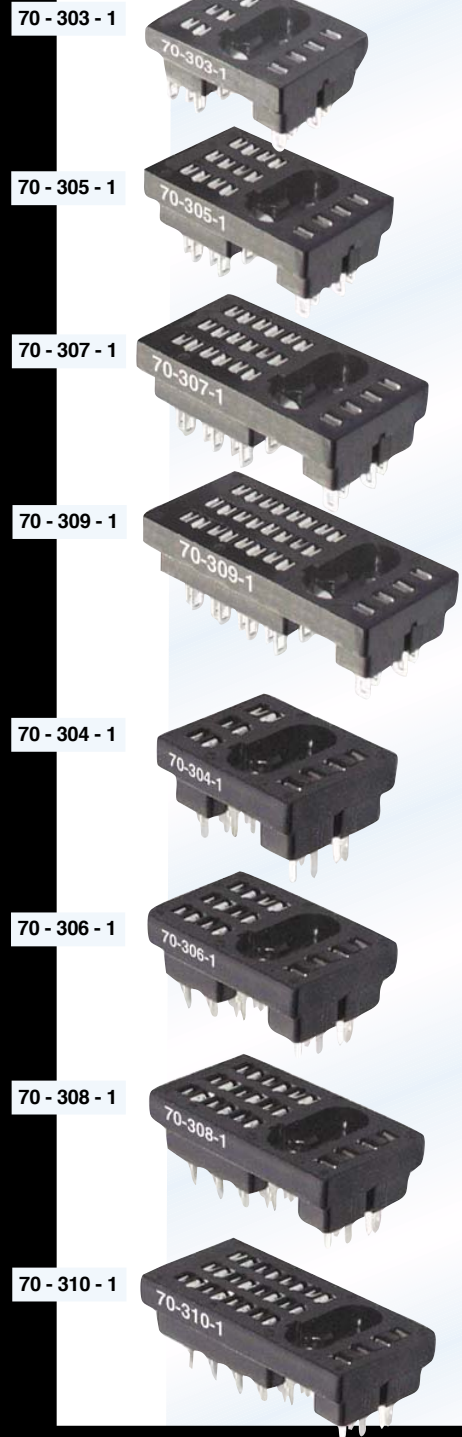
Electrical Rating: 10 amps, 300 volts  
 Dielectric Strength: 1000 V rms between all electrical elements of opposite polarity  
 1000 V rms between all elements to metal mounting plate

**CONSTRUCTION**

Contacts: Brass, tin plated

**MISCELLANEOUS**

Hook-up Wire Range: AWG #18 to #22 solid or stranded  
 Molded Material: UL recognized break resistant electrical grade thermoplastic  
 Mounting: Panel  
 Body Color: Black  
 Weight: 4.3 grams for 70-303-1 & 70-304-1  
 5.5 grams for 70-305-1 & 70-306-1  
 6.9 grams for 70-307-1 & 70-308-1  
 8.5 grams for 70-309-1 & 70-310-1



STANDARD PART NUMBERS	DESCRIPTION
70 - 303 - 1	SOLDER TERMINALS
70 - 305 - 1	SOLDER TERMINALS
70 - 307 - 1	SOLDER TERMINALS
70 - 309 - 1	SOLDER TERMINALS
70 - 304 - 1	PRINTED CIRCUIT TERMINALS
70 - 306 - 1	PRINTED CIRCUIT TERMINALS
70 - 308 - 1	PRINTED CIRCUIT TERMINALS
70 - 310 - 1	PRINTED CIRCUIT TERMINALS

**NOTE:**  
 WHEN INSTALLING SOCKET(S) INTO A PRINTED CIRCUIT BOARD, USE PLUG-IN STYLE RELAYS FOR MAXIMUM TERMINAL CONTACT WITH MATING SOCKET. PLUG-IN STYLE RELAYS HAVE A GROUNDING STUD AND ARE RECOMMENDED FOR USE WITH ALL SOCKET STYLES.

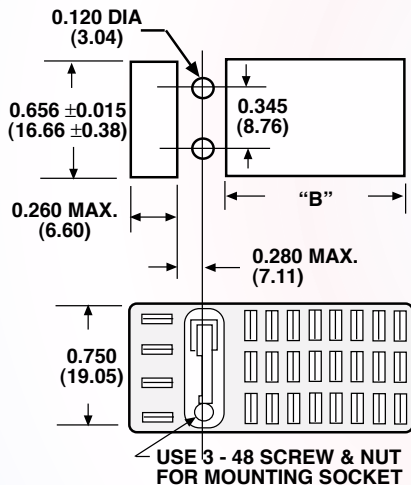
# SOLDER OR PRINTED CIRCUIT TERMINAL SOCKETS

**10 AMPS 300 VOLTS**

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

<p>0.210 (5.33) 0.350 (8.89) 0.978 (24.8) <b>2 POLE</b></p>	<p><b>70 - 303 - 1</b></p>	<p><b>70 - 304 - 1</b></p>	<p>0.180 (4.57) 0.350 (8.89) 0.978 (24.8) <b>2 POLE</b></p>
16-875-1 HOLD DOWN CLIP INCLUDED		16-875-1 HOLD DOWN CLIP INCLUDED	
<p>0.210 (5.33) 0.350 (8.89) 1.184 (30.1) <b>4 POLE</b></p>	<p><b>70 - 305 - 1</b></p>	<p><b>70 - 306 - 1</b></p>	<p>0.180 (4.57) 0.350 (8.89) 1.184 (30.1) <b>4 POLE</b></p>
16-875-2 HOLD DOWN CLIP INCLUDED		16-875-2 HOLD DOWN CLIP INCLUDED	
<p>0.210 (5.33) 0.350 (8.89) 1.390 (35.3) <b>6 POLE</b></p>	<p><b>70 - 307 - 1</b></p>	<p><b>70 - 308 - 1</b></p>	<p>0.180 (4.57) 0.350 (8.89) 1.390 (35.3) <b>6 POLE</b></p>
16-875-3 HOLD DOWN CLIP INCLUDED		16-875-3 HOLD DOWN CLIP INCLUDED	
<p>0.210 (5.33) 0.350 (8.89) 1.390 (35.3) <b>8 POLE</b></p>	<p><b>70 - 309 - 1</b></p>	<p><b>70 - 310 - 1</b></p>	<p>0.180 (4.57) 0.350 (8.89) 1.596 (40.54) <b>8 POLE</b></p>
16-1120-8 HOLD DOWN CLIP INCLUDED		16-1120-8 HOLD DOWN CLIP INCLUDED	

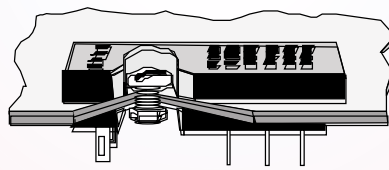
**CHASSIS CUTOUT FOR PANEL MOUNTING**  
BOTTOM VIEW



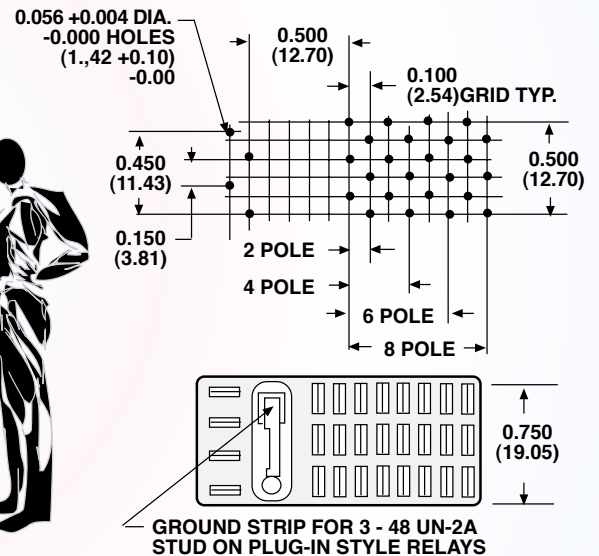
**CHASSIS CUTOUT DIMENSION "B"**

SPDT DPDT	4PDT	6PDT	8PDT
0.343 (8.71)	0.562 (14.27)	0.781 (19.84)	1.00 (25.4)

**CHASSIS CUTOUT**



**SUGGESTED PRINTED CIRCUIT BOARD LAYOUT**  
TOP VIEW



**10 AMPS, 600 VOLTS**



**FEATURES**

**INTEGRAL LOCKING RECEPTACLE**

MATES WITH RELAY LOCKING CLIP. ELIMINATES THE NEED FOR EXTERNAL RELAY HOLD DOWN CLIPS.

**HEAVY DUTY 1 PIECE TRACK AND CONTACT SYSTEM:**

IDEAL FOR APPLICATIONS THAT REQUIRE UP TO 600 VOLTS.

**IMPROVED CONTACT DESIGN:**

ALLOWS FOR MORE AREA OF CONTACT ON RELAY TERMINALS, RESULTING IN LOWER CONTACT RESISTANCE AT RELAY TERMINALS.

**STANDARD DIN RAIL MOUNTING:**

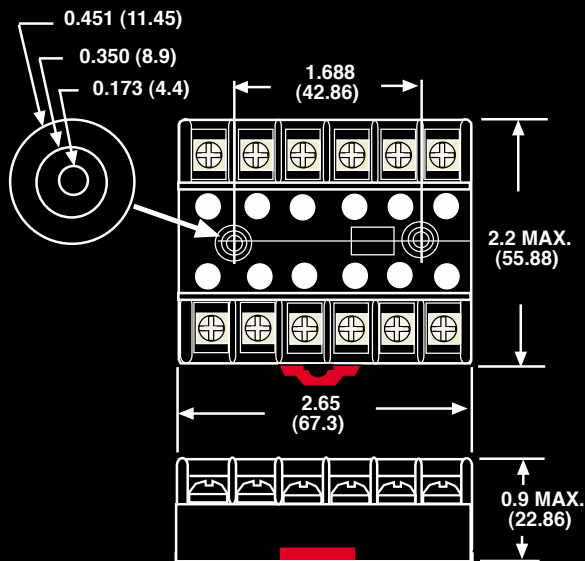
FITS ALL STANDARD 35 MILLIMETER DIN TRACKS.

**FINGER SAFE:**

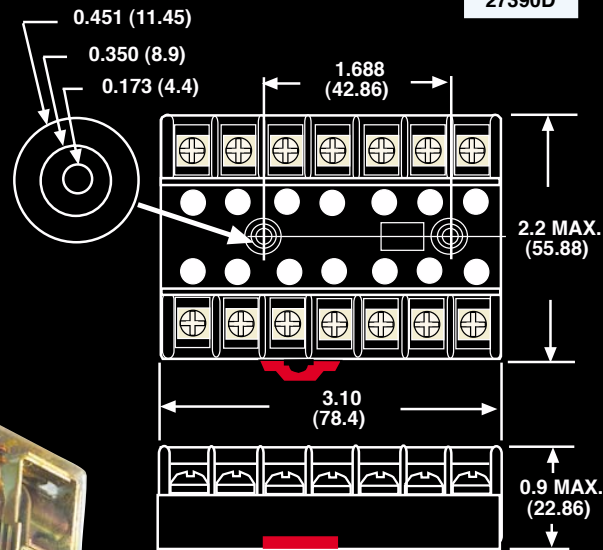
PREVENTS SHOCK TO OPERATORS BY KEEPING FINGERS AWAY FROM LIVE CIRCUITS. MEETS IP-20 REQUIREMENTS.

**BENEFITS**

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



**27390D**



**33377D**

DESIGNED FOR PANEL OR DIN MOUNT.

**GENERAL SPECIFICATIONS**

Electrical Rating:	10 amps, 600 volts
Dielectric Strength:	2000 V rms between all electrical elements of opposite polarity 2000 V rms between all elements to metal mounting plate

**CONSTRUCTION**

Contacts and Internal Metal Tracks:	Phosphor Bronze
Screws and Clamping Plates:	Steel, yellow zinc plated
Screw Style and Size:	Combination head, M3 x 0.5 x 6.35
Screw and Clamping Plate Torque:	9 Inch Lbs
Internal Metal Tracks, Contacts and Screw Terminal:	One piece construction

**MISCELLANEOUS**

Hook-up Wire Range:	AWG #12 to #22 solid or stranded
Molded Material:	UL recognized break resistant electrical grade thermoplastic
Socket Mounting Torque:	8 to 10 Inch Lbs
Body Color:	Gray
Weight:	102 grams for 12 pin, 120 grams for 14 pin approx.



STANDARD PART NUMBERS	DESCRIPTION
27390D	12 PIN SOCKET DIN/PANEL MOUNT, WITH SCREW TERMINALS & CLAMPING PLATES.
33377D	14 PIN SOCKET DIN/PANEL MOUNT, WITH SCREW TERMINALS & CLAMPING PLATES.



When Sockets are mounted end to end, the distance between adjacent mounting holes should be 1" minimum.

CLASS **70-SM**

**SOCKET MODULES**

**FEATURES**

**METAL OXIDE VARISTOR CIRCUIT:**

METAL OXIDE VARISTORS PROTECTS BY SHUNTING POTENTIALLY DAMAGING ELECTRICAL SPIKES AWAY FROM THE RELAY COIL .IDEAL FOR AC AND DC APPLICATIONS.

**DIODE CIRCUIT**

PROTECTS EXTERNAL DRIVE CIRCUITRY FROM INDUCTIVE VOLTAGES GENERATED WHEN REMOVING COIL VOLTAGE. IDEAL FOR DC APPLICATIONS. POLARITY SENSITIVE.

**LED CIRCUIT**

LED STATUS LAMP VERIFIES POWER IS BEING SUPPLIED TO THE COIL. IDEAL FOR BOTH AC AND DC APPLICATIONS. POLARITY SENSITIVE FOR DC APPLICATION.

**BENEFITS**

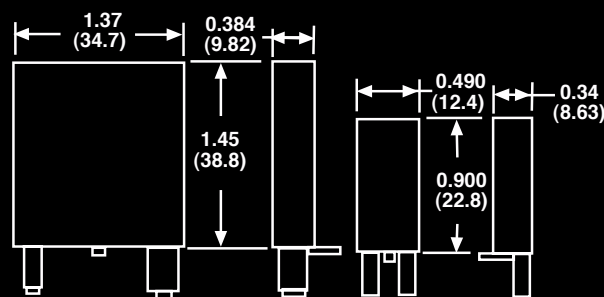
**NEW**  
From The Market  
Leader in Industrial  
Relays

**UL** us  
UL Recognized  
File No. E70550



**OUTLINE DIMENSIONS**

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



PACKAGE "A"

PACKAGE "B"

**PLUGGING MODULE INTO THE SOCKET, CONNECTS THE CIRCUIT IN PARALLEL WITH THE RELAY COIL. NO ADDITIONAL WIRING REQUIRED.**

**MODULES FIT WITHIN MAXIMUM DIMENSIONS OF RELAY AND SOCKET.**

**ORDERING CODE FOR MODULES**

**70 - A SM M - 24**

**MODULE FAMILY:**

**PACKAGE STYLE "A" OR "B":**

**SOCKET MODULE:**

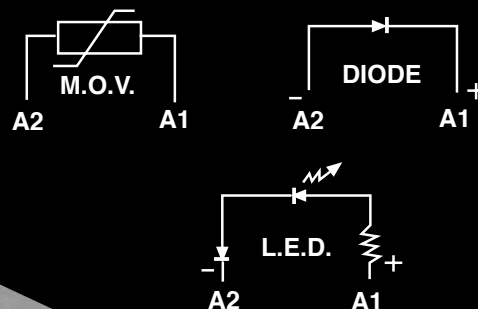
**FUNCTION:**

- M = M.O.V (METAL OXIDE VARISTOR)
- D = DIODE
- L = L.E.D. STATUS LAMP

**INPUT VOLTAGE:**

- 24, 120, 240, 250

**WIRING DIAGRAM TOP VIEW**



STANDARD PART NUMBERS	FUNCTION	NOMINAL INPUT VOLTAGE	PACKAGE STYLE	MATING SOCKETS
70-ASMM-24	MOV suppressor	24 VAC / VDC	A	70-783D-1
70-ASMM-120	MOV suppressor	120 VAC / VDC	A	70-784D-1
70-ASMM-240	MOV suppressor	240 VAC / VDC	A	70-750D8-1
70-ASMD-250	Protection diode	6 - 250 VDC	A	70-750D11-1
70-ASML-24	LED, green	24 VAC / VDC	A	
70-ASML-120	LED, green	120 VAC / VDC	A	
70-ASML-240	LED, green	240 VAC / VDC	A	
70-BSMM-24	MOV suppressor	24 VAC / VDC	B	70-782D-1
70-BSMM-120	MOV suppressor	120 VAC / VDC	B	
70-BSMM-240	MOV suppressor	240 VAC / VDC	B	
70-BSMD-250	Protection diode	6 - 250 VDC	B	
70-BSML-24	LED, green	24 VAC / VDC	B	
70-BSML-120	LED, green	120 VAC / VDC	B	
70-BSML-240	LED, green	240 VAC / VDC	B	

