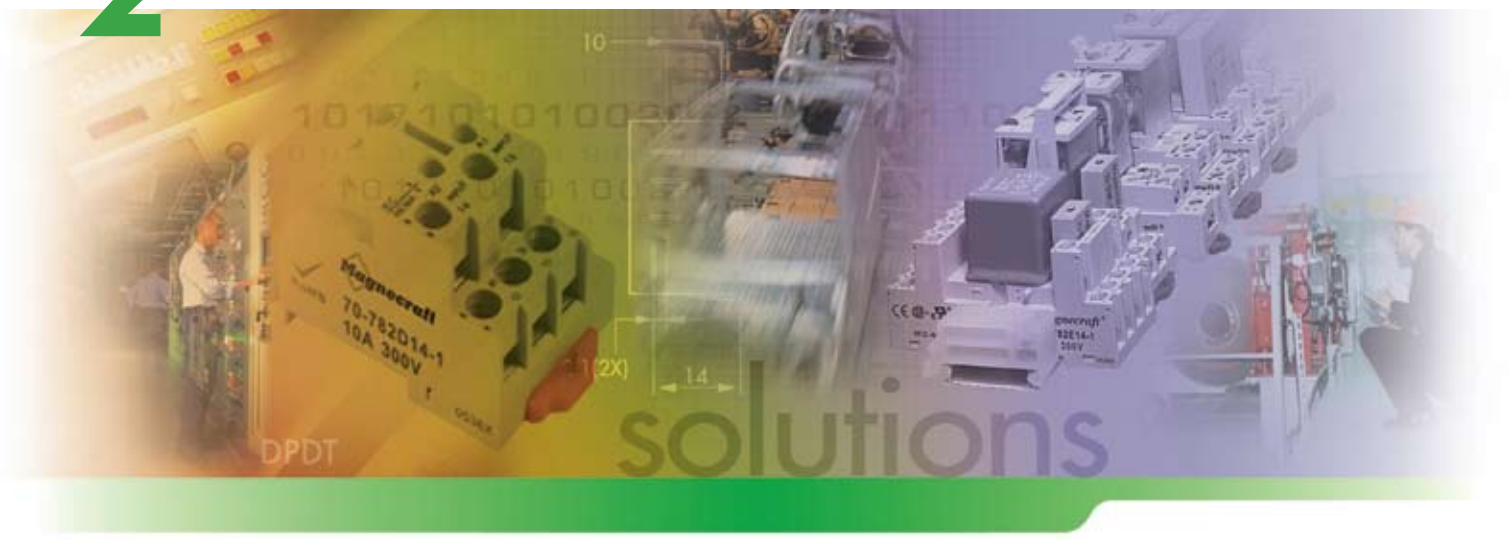
Section

2 Sockets

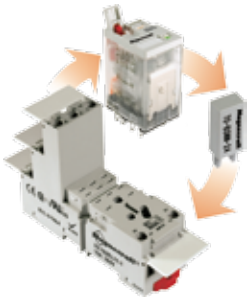




Advantages of a Finger-Safe, Ice Cube Socket System

The Complete System Solution!





I.D. Tag/Write-On Plastic Label
Used for Custom Identification of Circuits.

Isolated Input and Output Terminals
Separates Control Circuits from Load Circuits.

Slim Design
Minimizes Space on DIN Rail.

Mating Hold-Down Clips Available
Secures Relay to Socket.



DIN Rail End Clip
Locking Screw Keeps a Snug DIN Rail System by Eliminating Sliding Sockets.

DIN Rail
35 mm Extruded Aluminum Rail.
Designed to Work With Most Sockets.
Pre-punched for Quick Installation.

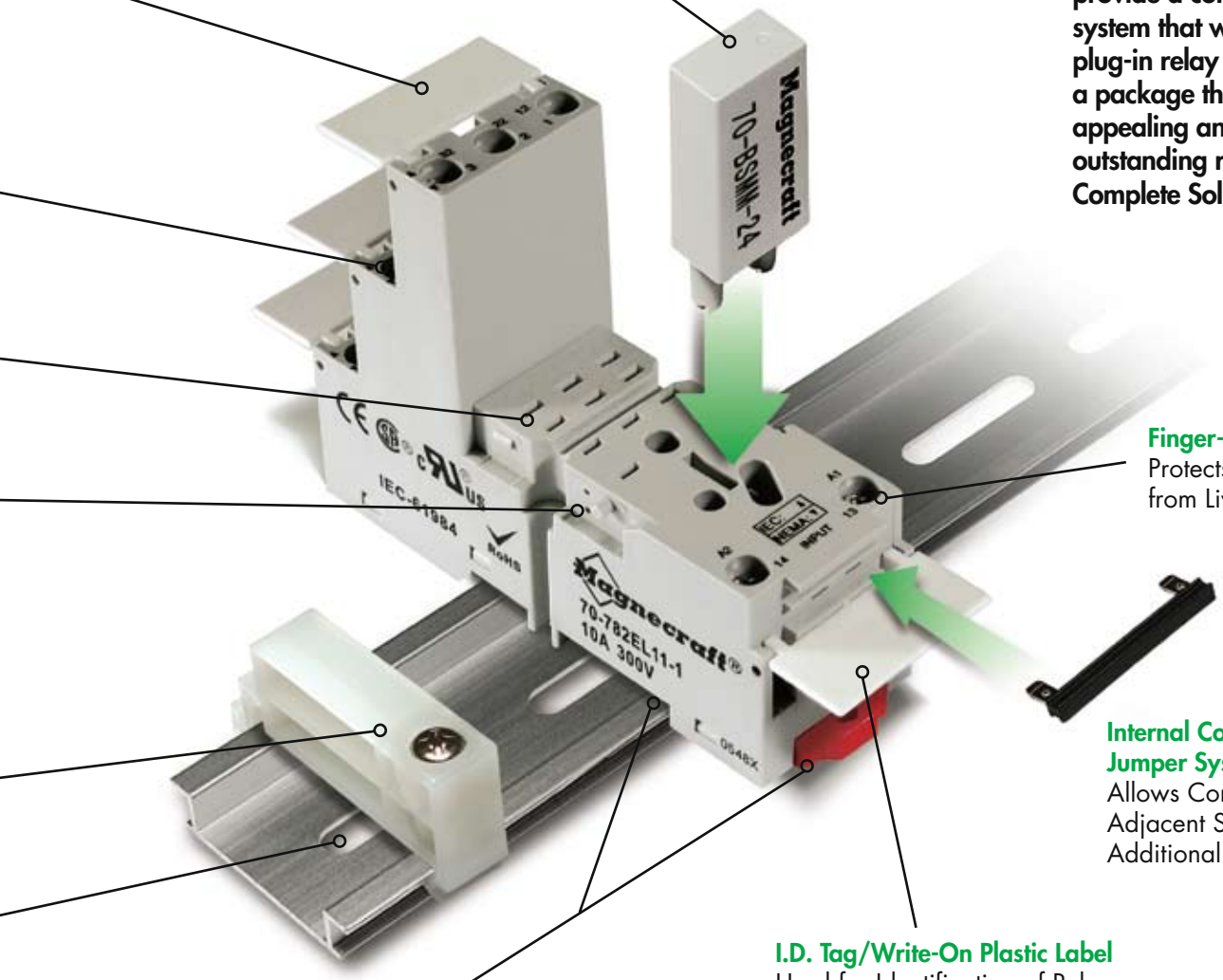


- **Offers a "one stop solution" for your power management system.**
- **Variety of contact configurations and materials to meet your switching needs.**
- **Plug-In switching capabilities from 10mA to 20 Amps.**
- **A variety of Feature Codes and operation combinations available for all budgets.**
- **Ejector clips, ribbed relay housings and space-saving sockets allow for easy removal from crowded DIN rails.**
- **Color and appearance designed for high visibility in all environments.**
- **Wiring diagrams include NEMA and IEC standards.**
- **Engineering availability allows for customized relay solutions.**
- **Internal Coil Bus Jumper System reduces the number of wires required for hook-up to adjacent sockets.**

The 700 series sockets have the perfect mix of historical Magnecraft socket quality combined with a dynamic arsenal of options. When mated with the Magnecraft relays and accessories, these RoHS compliant sockets provide a complete modular system that will meet all your plug-in relay requirements in a package that is both visually appealing and functionally outstanding resulting in a Complete Solution.



Modules
Allows for Optional Protection or LED Modules to be Used With Sockets.



Finger-Safe
Protects Operators from Live Circuits.

Internal Coil Bus Jumper System
Allows Connection to Adjacent Sockets Without Additional Wiring.

I.D. Tag/Write-On Plastic Label
Used for Identification of Relays in Multi-Relay Circuits.

2-Way Side or DIN Rail Mounting System
Retrofits Existing Panel Mounting and 35 mm DIN Rail.



Advantages of a Finger-Safe, Octal and Square Base Socket System

The Complete System Solution!



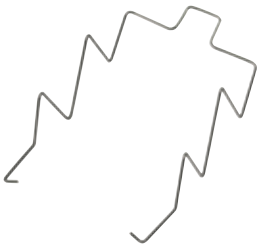
I.D. Tag/Write-On Plastic Label
Used for Custom Identification of Circuits.

Isolated Input and Output Terminals
Separates Control Circuits from Load Circuits.

Slim Design
Minimizes Space on DIN Rail.

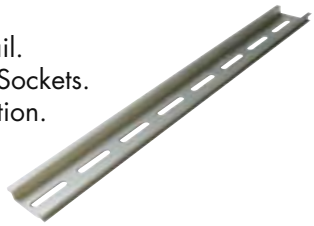
- **Offers a "one stop solution" for your power management system.**
- **Plug-In switching capabilities from 5 to 20 Amps.**
- **Optional Accessories allow for customized applications.**
- **Ejector clips, ribbed relay housings and space-saving sockets allow for easy removal from crowded DIN rails.**
- **Color and appearance designed for high visibility in all environments.**
- **Wiring diagrams include NEMA and IEC standards.**

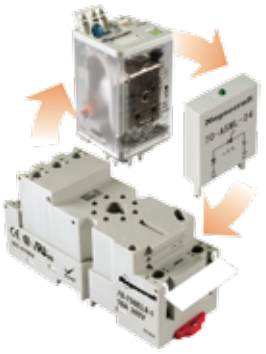
Mating Hold-Down Clips Available
Secures Relay to Socket.



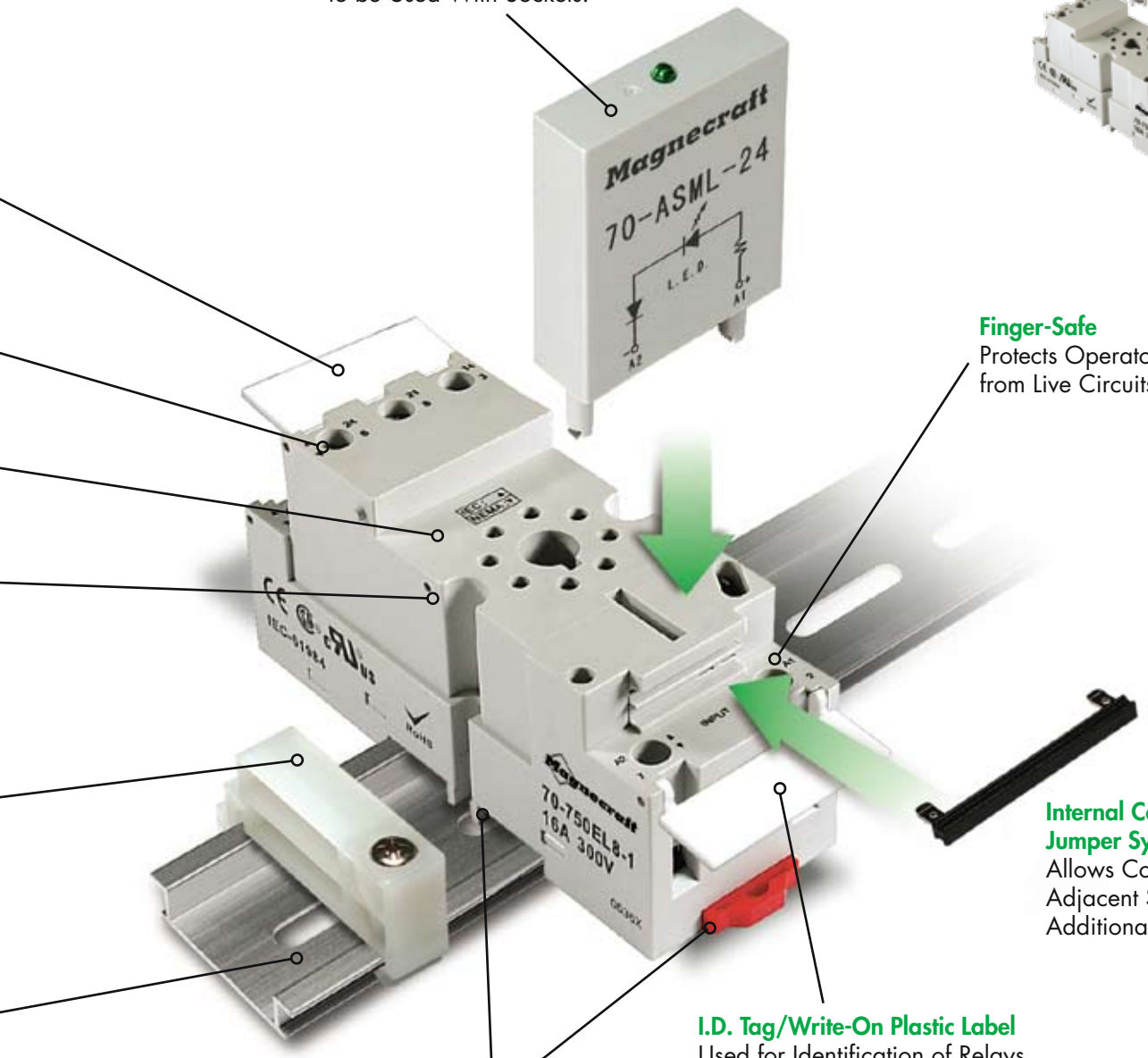
DIN Rail End Clip
Locking Screw Keeps a Snug DIN Rail System by Eliminating Sliding Sockets.

DIN Rail
35 mm Extruded Aluminum Rail.
Designed to Work With Most Sockets.
Pre-punched for Quick Installation.





Modules
Allows for Optional Protection or LED Modules to be Used With Sockets.



Finger-Safe
Protects Operators from Live Circuits.

Internal Coil Bus Jumper System
Allows Connection to Adjacent Sockets Without Additional Wiring.

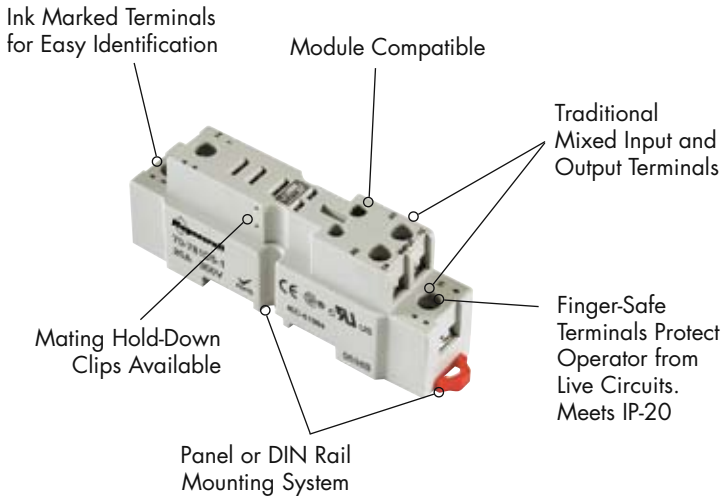
I.D. Tag/Write-On Plastic Label
Used for Identification of Relays in Multi-Relay Circuits.



2-Way Side or DIN Rail Mounting System
Retrofits Existing Panel Mounting and 35 mm DIN Rail.

70-781D5-1A Socket/20 Amp Rating, 300 Volts

NEW
NEW
NEW
NEW
NEW



The New and Improved 70-781D5-1A Socket Now has a Higher Rating and Improved Features and Benefits This New Socket Replaces Our Original 70-781D-1 Socket and is Now Dual Marked With Both Part Numbers.

c UL us
UL Recognized
File No. E70550

Certified
97899

RoHS Compliant

BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

Standard Part Number	Description
70-781D5-1A* Supercedes: 70-781D-1	5-Pin Socket, Finger-Safe, DIN/Panel Mount with Screw Terminals & Clamping Plates.

General Specifications (UL 508)

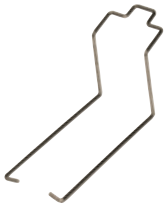
Characteristics	Units	Value
Number of Terminals		5
Electrical Rating		
Nominal Voltage Rating	Volts	300
Nominal Current Rating	Amps	20
Dielectric Strength		
Output to Adjacent Output Terminals	V rms	3000
Output to Input Terminals	V rms	3000
Terminals to Rail / Chassis	V rms	3000
Temperature		
Operating Range:	°C	- 40 to + 80
Storage Range:	°C	- 40 to + 105
Construction		
Protection Category (Finger-Safe)	EN 60529	IP 20
Internal Metal Tracks		Copper Alloy, Zinc Plated
Screw Terminals		Steel, Zinc Plated
Screw Style		Combination Head,
Screw size	mm	M3.
Screw size	mm	M3.5
Screw Torque 3 mm (Maximum)	Lb-in / Nm	7 / 0.8
Screw Torque 3.5 mm (Maximum)	Lb-in / Nm	9 /1.0
Miscellaneous		
Socket Mounting:		Din / Panel
Wire Size Capacity (Maximum)	EN 60204-1	AWG mm2
Solid Cu	AWG, mm2	12 / 14 (2) 4 / 2.5 (2)
Stranded Cu	AWG, mm2	12 / 14 (2) 4 / 2.5 (2)
Wire Connection Method		Screw Clamping
DIN Rail Mounting	EN 60715	35mm
Chassis Mount Screw Torque	Lb-in / Nm	7 / 0.8
Flammability Rating	Class	94V-0
Body Color		Light Gray
DIN Locking Method		Red Plastic Locking Clip
Product Certification		UL, CSA
Conformance		CE, RoHS
Weight	grams	35

*Note: 70-781D5-1A is compatible with both the I.D. Clip (16-781IDC) and Spring Clip (16-781SC), but original version of socket (70-781D5-1) is not. Both part numbers may still be available.

Optional Mating Accessories



781Relay



16-781SC



16-781IDC



70-BSM

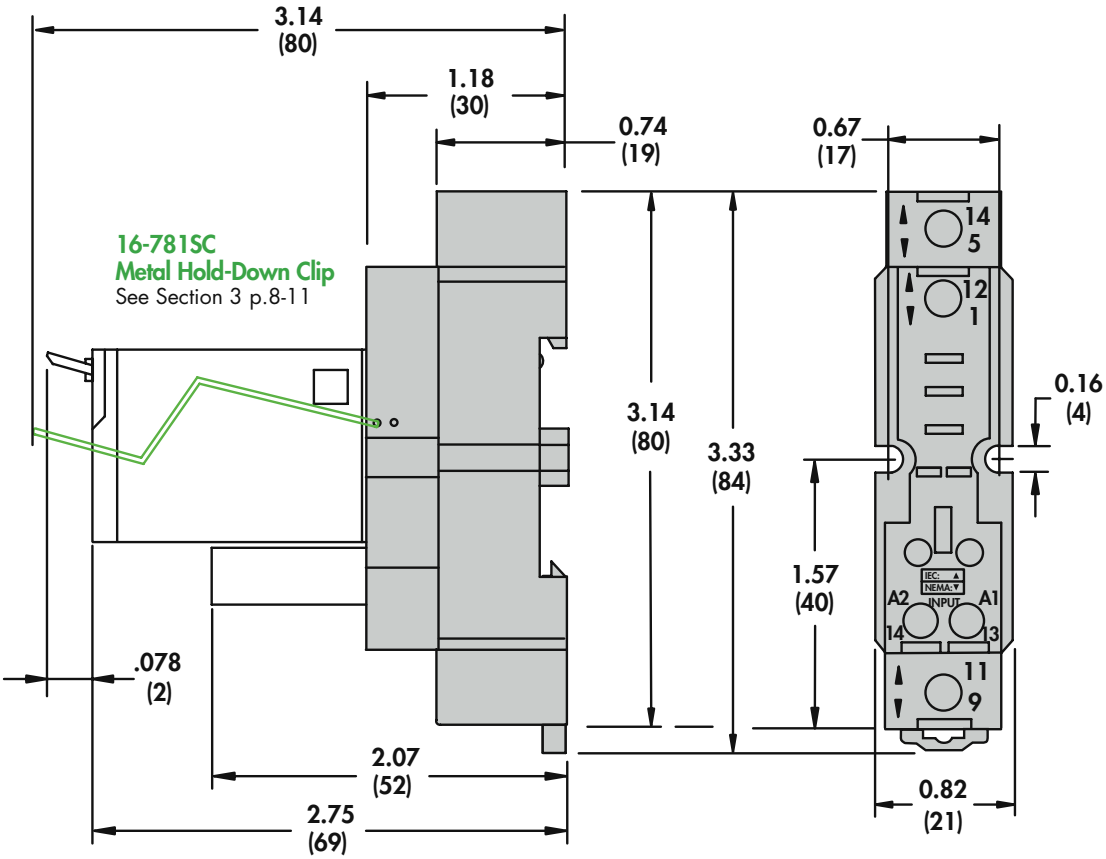


16-700DIN

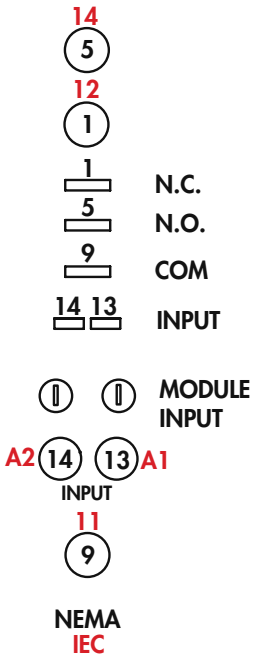


16-DCLIP-1

Standard Part Number	Description	Catalog Location
781	Relay	Section 1 p.10-11
16-781SC	Metal Hold-Down Clip *(compatible with 70-781D5-1A & 70-781D5-1)*	Section 3 p.8-11
16-781IDC	Plastic I.D. Clip *(only compatible with 70-781D5-1A)*	Section 3 p.8-11
70-BSM	Module	Section 3 p.6-7
16-700DIN	Metal DIN Rail	Section 3 p.19
16-DCLIP-1	DIN Rail Locking Clip	Section 3 p.19

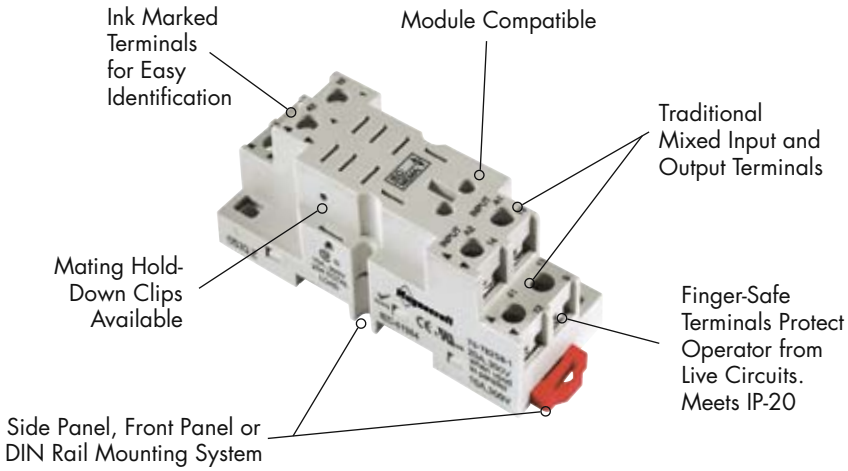


Wiring Diagram
Top View



70-782D8-1 Socket/16 Amp Rating, 300 Volts

The 70-782D8-1 Socket Replaces Our Original 70-782D-1 Socket and is Now Dual Marked With Both Part Numbers.



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UL Recognized
File No. E70550

Certified
40787

RoHS Compliant

BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

Standard Part Number	Description
70-782D8-1 Supercedes: 70-782D-1	8-Pin Socket, Finger-Safe, DIN/Panel Mount with Screw Terminals & Clamping Plates.

General Specifications (UL 508)

Characteristics	Units	Value
Number of Terminals		8
Electrical Rating		
Nominal Voltage Rating	Volts	300
Nominal Current Rating	Amps	16
Dielectric Strength		
Output to Adjacent Output Terminals	V rms	2500
Output to Input Terminals	V rms	2500
Terminals to Rail / Chassis	V rms	2500
Temperature		
Operating Range:	°C	- 40 to + 80
Storage Range:	°C	- 40 to + 105
Construction		
Protection Category (Finger-Safe)	EN 60529	IP 20
Internal Metal Tracks		Copper Alloy, Zinc Plated
Screw Terminals		Steel, Zinc Plated
Screw Style		Combination Head,
Screw size	mm	M3.5
Screw Torque 3.5 mm (Maximum)	Lb-in / Nm	9 /1.0
Miscellaneous		
Socket Mounting:		Din / Panel
Wire Size Capacity (Maximum)	EN 60204-1	AWG mm2
Soild Cu	AWG, mm2	12 / 14 (2) 4 / 2.5 (2)
Stranded Cu	AWG, mm2	12 / 14 (2) 4 / 2.5 (2)
Wire Connection Method		Screw Clamping
DIN Rail Mounting	EN 60715	35mm
Chassis Mount Screw Torque	Lb-in / Nm	7 / 0.8
Flamability Rating	Class	94V-0
Body Color		Light Gray
DIN Locking Method		Red Plastic Locking Clip
Product Certification		UL, CSA
Conformance		CE, RoHS
Weight	grams	55

Optional Mating Accessories



782 Relay



16-1342



16-782IDC



70-BSM



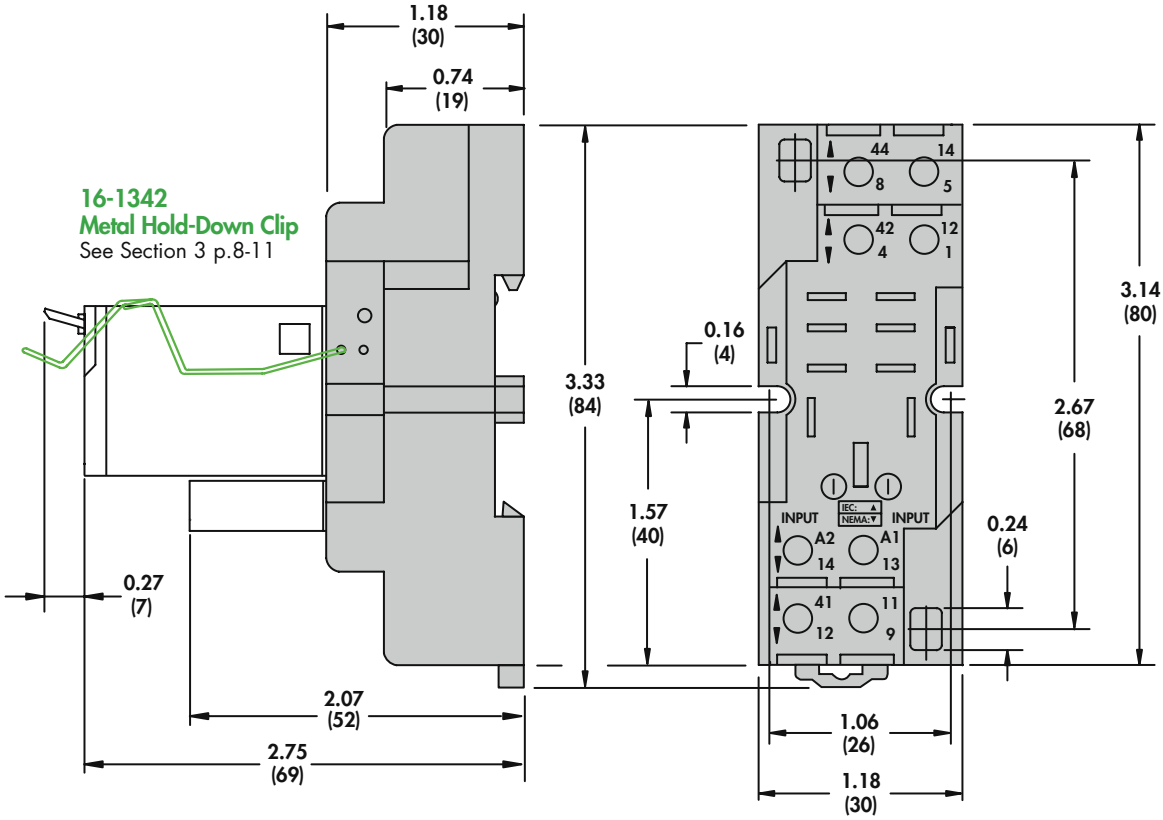
16-700DIN



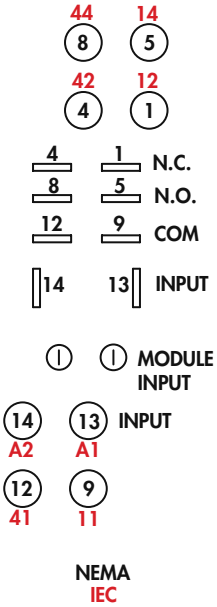
16-DCLIP-1

Standard Part Number	Description	Catalog Location
782XAX, XBX	Relay	Section 1 p.12-13
16-1342	Metal Hold-Down Clip	Section 3 p.8-11
16-782IDC	Plastic I.D. Clip	Section 3 p.8-11
70-BSM	Module	Section 3 p.6-7
16-700DIN	Metal DIN Rail	Section 3 p.19
16-DCLIP-1	DIN Rail Locking Clip	Section 3 p.19

16-1342
Metal Hold-Down Clip
See Section 3 p.8-11

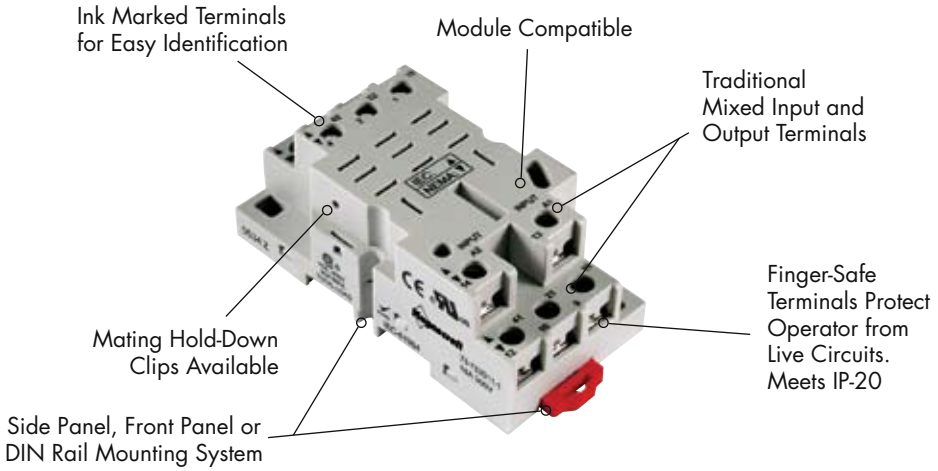


Wiring Diagram
Top View



70-783D11-1 Socket/16 Amp Rating, 300 Volts

The 70-783D11-1 Socket Replaces Our Original 70-783D-1 Socket and is Now Dual Marked With Both Part Numbers.



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40787

RoHS Compliant

BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

Standard Part Number	Description
70-783D11-1 Supercedes: 70-783D-1	11-Pin Socket, Finger-Safe, DIN/Panel Mount with Screw Terminals & Clamping Plates.

General Specifications (UL 508)

Characteristics	Units	Value
Number of Terminals		11
Electrical Rating		
Nominal Voltage Rating	Volts	300
Nominal Current Rating	Amps	16
Dielectric Strength		
Output to Adjacent Output Terminals	V rms	2500
Output to Input Terminals	V rms	2500
Terminals to Rail / Chassis	V rms	2500
Temperature		
Operating Range:	°C	- 40 to + 80
Storage Range:	°C	- 40 to + 105
Construction		
Protection Category (Finger-Safe)	EN 60529	IP 20
Internal Metal Tracks		Copper Alloy, Zinc Plated
Screw Terminals		Steel, Zinc Plated
Screw Style		Combination Head,
Screw size	mm	M3.5
Screw Torque 3.5 mm (Maximum)	Lb-in / Nm	9 /1.0
Miscellaneous		
Socket Mounting:		Din / Panel
Wire Size Capacity (Maximum)	EN 60204-1	AWG mm2
Soild Cu	AWG, mm2	12 / 14 (2) 4 / 2.5 (2)
Stranded Cu	AWG, mm2	12 / 14 (2) 4 / 2.5 (2)
Wire Connection Method		Screw Clamping
DIN Rail Mounting	EN 60715	35mm
Chassis Mount Screw Torque	Lb-in / Nm	7 / 0.8
Flamability Rating	Class	94V-0
Body Color		Light Gray
DIN Locking Method		Red Plastic Locking Clip
Product Certification		UL, CSA
Conformance		CE, RoHS
Weight	grams	55

Optional Mating Accessories



783 Relay



16-783SC



16-783IDC



70-ASM



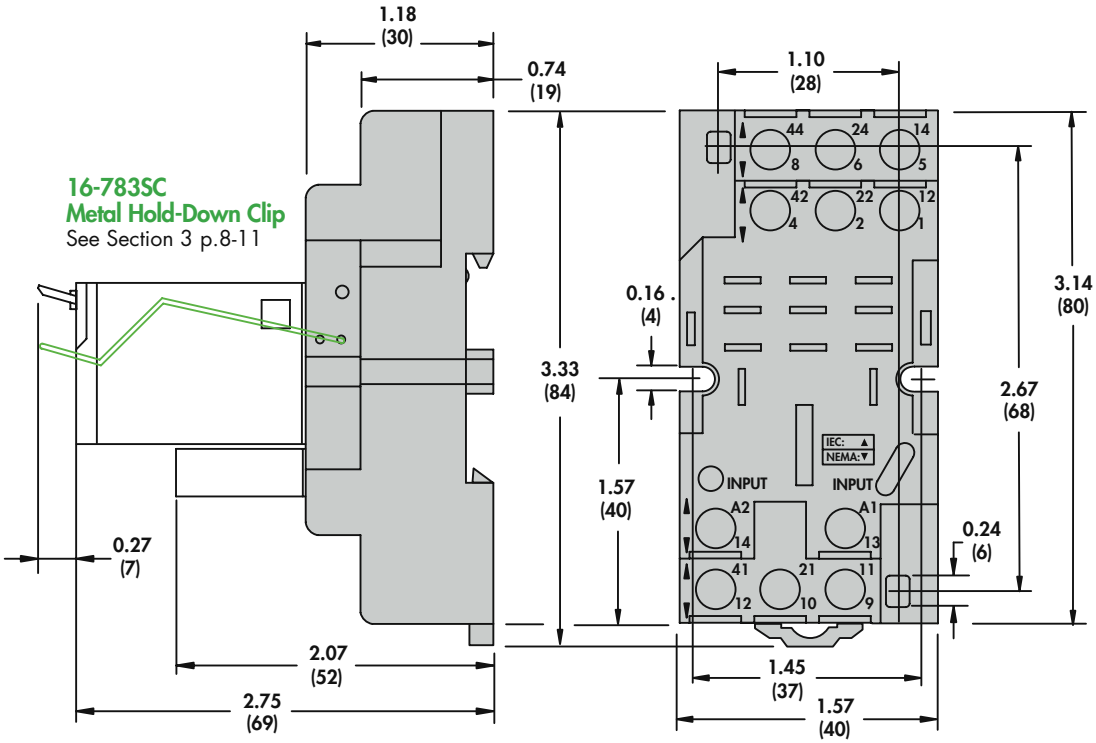
16-700DIN



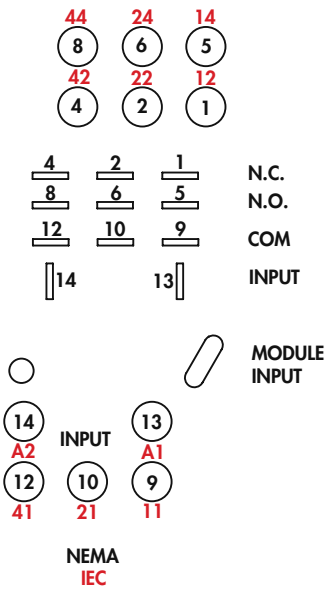
16-DCLIP-1

Standard Part Number	Description	Catalog Location
783	Relay	Section 1 p.20-21
16-783SC	Metal Hold-Down Clip	Section 3 p.8-11
16-783IDC	Plastic I.D. Clip	Section 3 p.8-11
70-ASM	Module	Section 3 p.4-5
16-700DIN	Metal DIN Rail	Section 3 p.19
16-DCLIP-1	DIN Rail Locking Clip	Section 3 p.19

16-783SC
Metal Hold-Down Clip
See Section 3 p.8-11

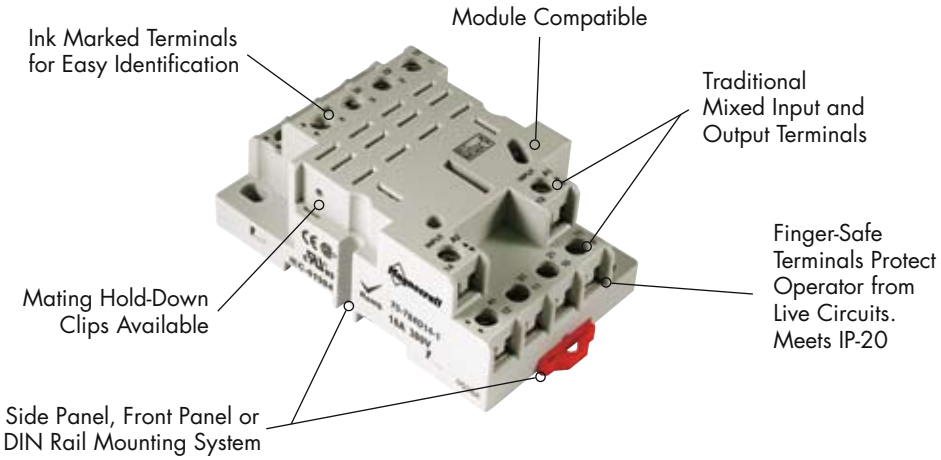


Wiring Diagram
Top View



70-784D14-1 Socket/16 Amp Rating, 300 Volts

The 70-784D14-1 Socket Replaces Our Original 70-784D-1 Socket and is Now Dual Marked With Both Part Numbers.



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40787

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BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

Standard Part Number	Description
70-784D14-1 Supercedes: 70-784D-1	14-Pin Socket, Finger-Safe, DIN/Panel Mount with Screw Terminals & Clamping Plates.

General Specifications (UL 508)

Characteristics	Units	Value
Number of Terminals		14
Electrical Rating		
Nominal Voltage Rating	Volts	300
Nominal Current Rating	Amps	16
Dielectric Strength		
Output to Adjacent Output Terminals	V rms	2500
Output to Input Terminals	V rms	2500
Terminals to Rail / Chassis	V rms	2500
Temperature		
Operating Range:	°C	- 40 to + 80
Storage Range:	°C	- 40 to + 105
Construction		
Protection Category (Finger-Safe)	EN 60529	IP 20
Internal Metal Tracks		Copper Alloy, Zinc Plated
Screw Terminals		Steel, Zinc Plated
Screw Style		Combination Head,
Screw size	mm	M3.5
Screw Torque 3.5 mm (Maximum)	Lb-in / Nm	9 /1.0
Miscellaneous		
Socket Mounting:		Din / Panel
Wire Size Capacity (Maximum)	EN 60204-1	AWG mm2
Soild Cu	AWG, mm2	12 / 14 (2) 4 / 2.5 (2)
Stranded Cu	AWG, mm2	12 / 14 (2) 4 / 2.5 (2)
Wire Connection Method		Screw Clamping
DIN Rail Mounting	EN 60715	35mm
Chassis Mount Screw Torque	Lb-in / Nm	7 / 0.8
Flamability Rating	Class	94V-0
Body Color		Light Gray
DIN Locking Method		Red Plastic Locking Clip
Product Certification		UL, CSA
Conformance		CE, RoHS
Weight	grams	62

Optional Mating Accessories


784 Relay


16-784SC


16-784SC

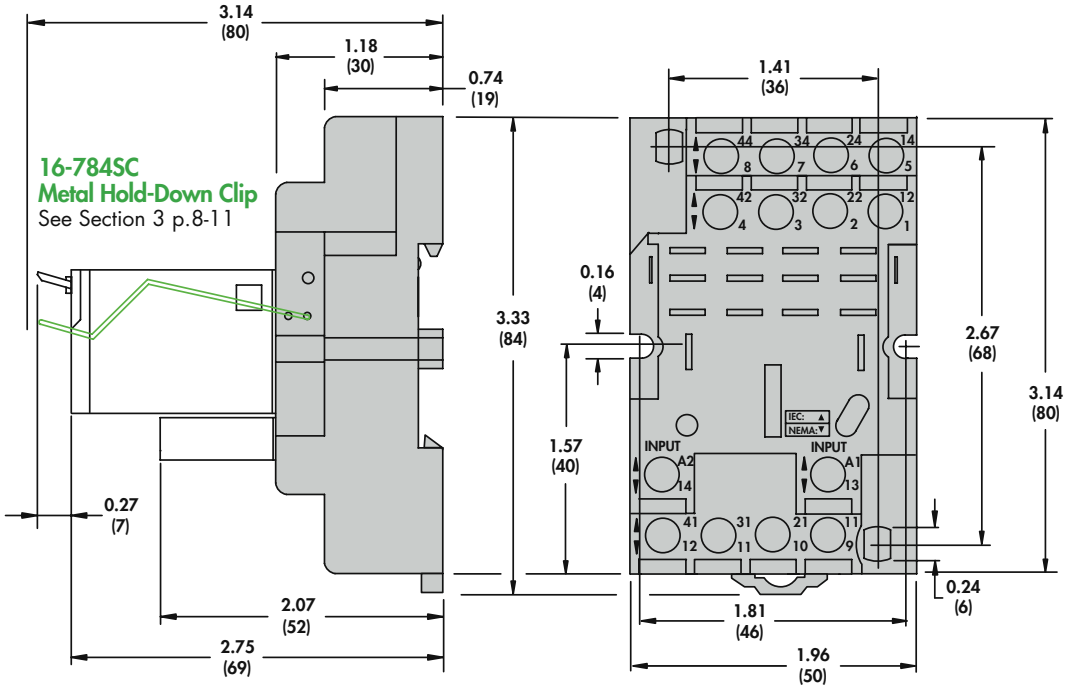


70-ASM

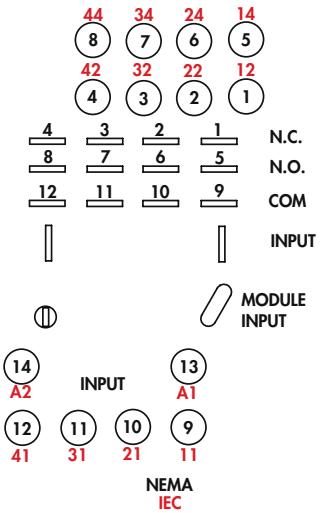

16-700DIN


16-DCLIP-1

Standard Part Number	Description	Catalog Location
784	Relay	Section 1 p.22-23
16-784SC	Metal Hold-Down Clip	Section 3 p.8-11
16-784IDC	Plastic I.D. Clip	Section 3 p.8-11
70-ASM	Module	Section 3 p.4-5
16-700DIN	Metal DIN Rail	Section 3 p.19
16-DCLIP-1	DIN Rail Locking Clip	Section 3 p.19

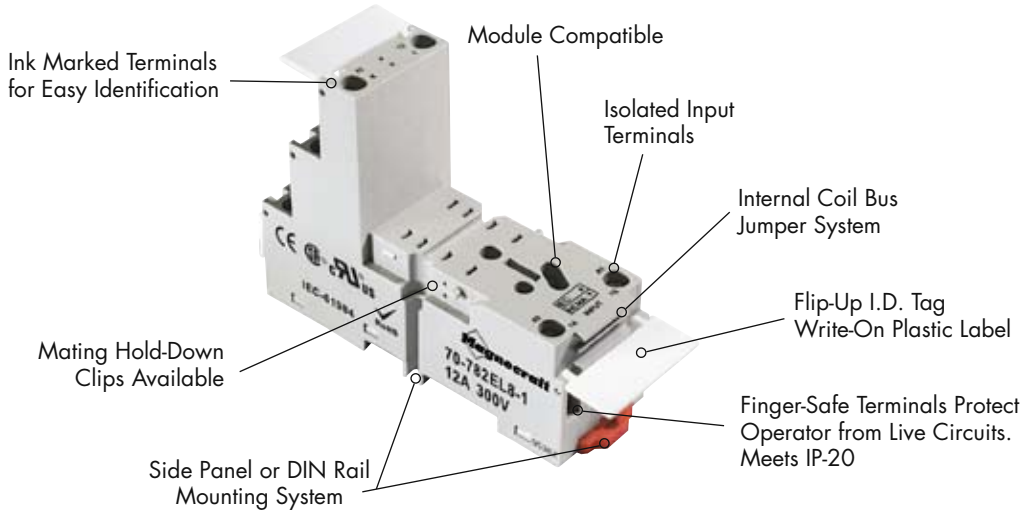


Wiring Diagram
Top View



70-782EL8-1 Socket/12 Amp Rating, 300 Volts

NEW
NEW
NEW
NEW
NEW



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UL Recognized
File No. E70550

Certified
40787

RoHS Compliant

BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

Standard Part Number	Description
70-782EL8-1	8-Pin Ice Cube, Logic Style, DIN Panel Mount with Elevator Terminals, Module Compatible.

General Specifications (UL 508)

Characteristics	Units	Value
Number of Terminals		8
Electrical Rating		
Nominal Voltage Rating	Volts	300
Nominal Current Rating	Amps	12
Dielectric Strength		
Output to Adjacent Output Terminals	V rms	3000
Output to Input Terminals	V rms	3000
Terminals to Rail / Chassis	V rms	3000
Temperature		
Operating Range:	°C	- 40 to + 80
Storage Range:	°C	- 40 to + 105
Construction		
Protection Category (Finger-Safe)	EN 60529	IP 20
Internal Metal Tracks		Copper Alloy, Zinc Plated
Screw Terminals		Steel, Zinc Plated
Screw Style		Combination Head,
Screw size	mm	M3
Screw Torque 3.5 mm (Maximum)	Lb-in / Nm	7 / 0.8
Miscellaneous		
Socket Mounting:		Din / Panel
Wire Size Capacity (Maximum)	EN 60204-1	AWG mm2
Soild Cu	AWG, mm2	14 / 16 (2) 2.5 /1.5 (2)
Stranded Cu	AWG, mm2	14 / 16 (2) 2.5 / 1.5 (2)
Wire Connection Method		Elevator
DIN Rail Mounting	EN 60715	35mm
Chassis Mount Screw Torque	Lb-in / Nm	7 / 0.8
Flamability Rating	Class	94V-0
Body Color		Light Gray
DIN Locking Method		Red Plastic Locking Clip
Product Certification		UL, CSA
Conformance		CE, RoHS
Weight	grams	46

Optional Mating Accessories


782 Relay


16-782PC-1


16-700ST-1
16-782SC


TDR782 Relay


16-TDR782SC

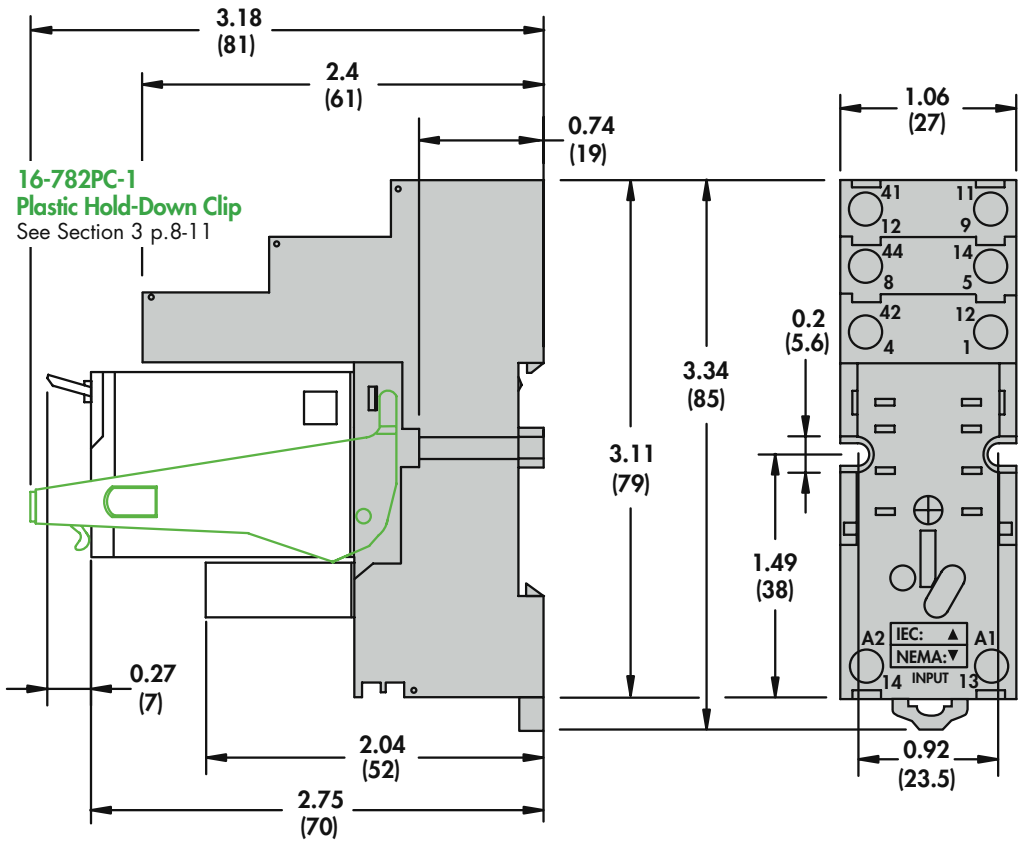

70-BSM

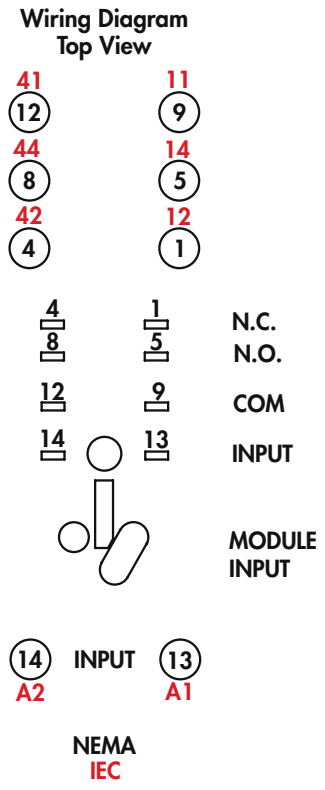

16-782CBJ-1
16-782FT-1


16-700DIN


16-DCLIP-1

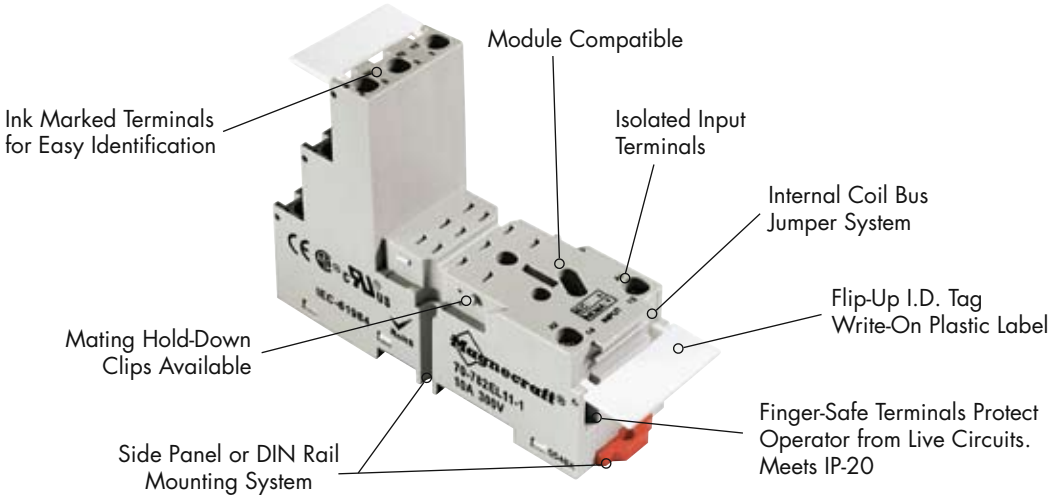
Standard Part Number	Description	Catalog Location
782XBX1, 2, 3	Relay	Section 1 p.14-15
16-782PC-1	Plastic Hold-Down Ejector Clip for 782	Section 3 p.8-11
16-700ST-1	Plastic Snap-On I.D. Tag	Section 3 p.12
16-782SC	Metal Hold-Down Clip for 782	Section 3 p.8-11
TDR782XBX	Relay	Section 5 p.14-17
16-TDR782SC	Metal Hold-Down Clip for TDR782	Section 3 p.8-11
70-BSM	Module	Section 3 p.6-7
16-782FT-1	Plastic I.D. Tag	Section 3 p.12
16-782CBJ-1	Coil Bus Jumper	Section 3 p.13
16-700DIN	Metal DIN Rail	Section 3 p.19
16-DCLIP-1	DIN Rail Locking Clip	Section 3 p.19





70-782EL11-1 Socket/10 Amp Rating, 300 Volts

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File No. E70550

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RoHS Compliant

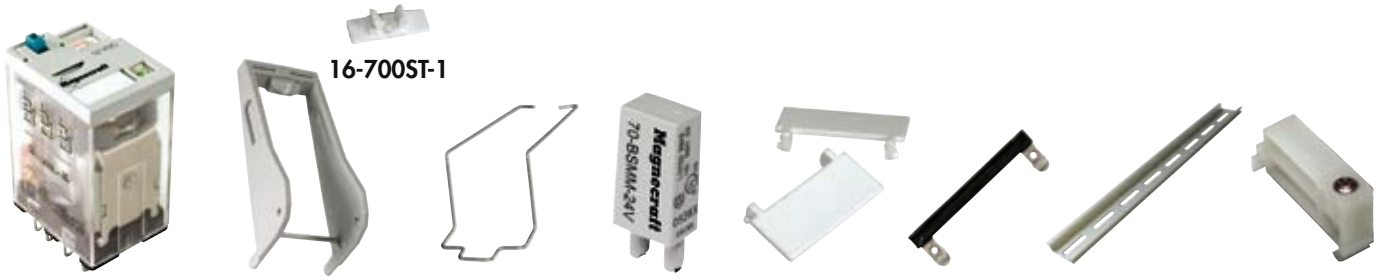
BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

Standard Part Number	Description
70-782EL11-1	11-Pin Ice Cube, Logic Style, DIN Panel Mount with Elevator Terminals, Module Compatible.

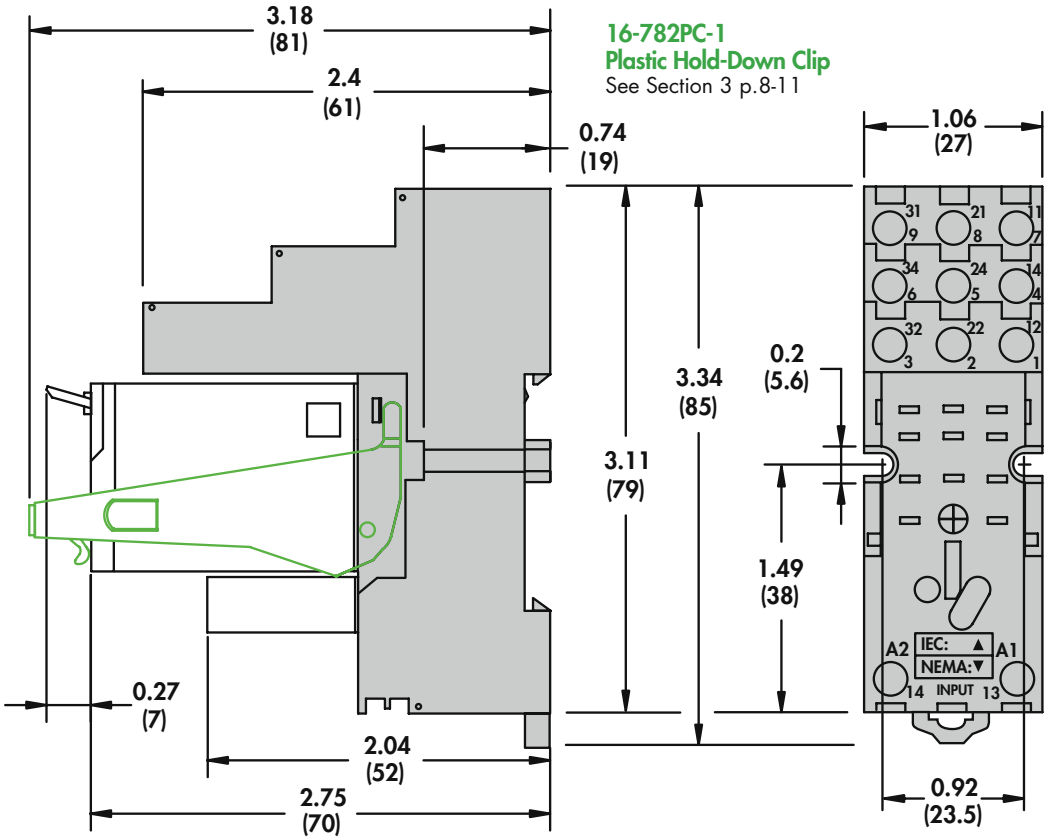
General Specifications (UL 508)

Characteristics	Units	Value
Number of Terminals		11
Electrical Rating		
Nominal Voltage Rating	Volts	300
Nominal Current Rating	Amps	10
Dielectric Strength		
Output to Adjacent Output Terminals	V rms	3000
Output to Input Terminals	V rms	3000
Terminals to Rail / Chassis	V rms	3000
Temperature		
Operating Range:	°C	- 40 to + 80
Storage Range:	°C	- 40 to + 105
Construction		
Protection Category (Finger-Safe)	EN 60529	IP 20
Internal Metal Tracks		Copper Alloy, Zinc Plated
Screw Terminals		Steel, Zinc Plated
Screw Style		Combination Head,
Screw size	mm	M3
Screw Torque 3.5 mm (Maximum)	Lb-in / Nm	7 / 0.8
Miscellaneous		
Socket Mounting:		Din / Panel
Wire Size Capacity (Maximum)	EN 60204-1	AWG mm2
Soild Cu	AWG, mm2	16 / 18 (2) 1.5 /0.75 (2)
Stranded Cu	AWG, mm2	16 / 18 (2) 1.5 / 0.75 (2)
Wire Connection Method		Elevator
DIN Rail Mounting	EN 60715	35mm
Chassis Mount Screw Torque	Lb-in / Nm	7 / 0.8
Flamability Rating	Class	94V-0
Body Color		Light Gray
DIN Locking Method		Red Plastic Locking Clip
Product Certification		UL, CSA
Conformance		CE, RoHS
Weight	grams	56

Optional Mating Accessories

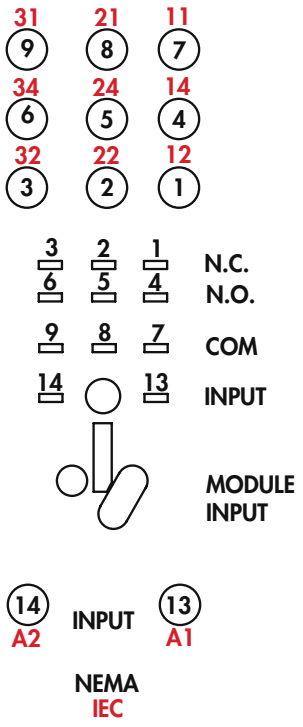


Standard Part Number	Description	Catalog Location
782XCX2	Relay	Section 1 p.16-17
16-782PC-1	Plastic Hold-Down Ejector Clip	Section 3 p.8-11
16-700ST-1	Plastic Snap-On I.D. Tag	Section 3 p.12
16-782SC-1	Metal Hold-Down Clip	Section 3 p.8-11
70-BSM	Module	Section 3 p.6-7
16-782FT-1	Plastic I.D. Tag	Section 3 p.12
16-782CBJ-1	Coil Bus Jumper	Section 3 p.13
16-700DIN	Metal DIN Rail	Section 3 p.19
16-DCLIP-1	DIN Rail Locking Clip	Section 3 p.19



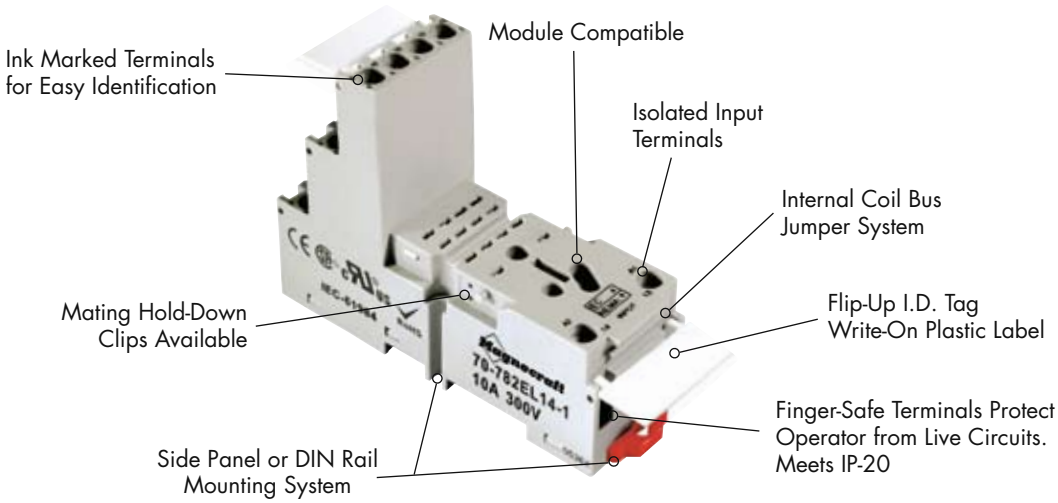
16-782PC-1
Plastic Hold-Down Clip
See Section 3 p.8-11

Wiring Diagram
Top View



70-782EL14-1 Socket/10 Amp Rating, 300 Volts

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File No. E70550

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RoHS Compliant

BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

Standard Part Number	Description
70-782EL14-1	14-Pin Ice Cube, Logic Style, DIN Panel Mount with Elevator Terminals, Module Compatible.

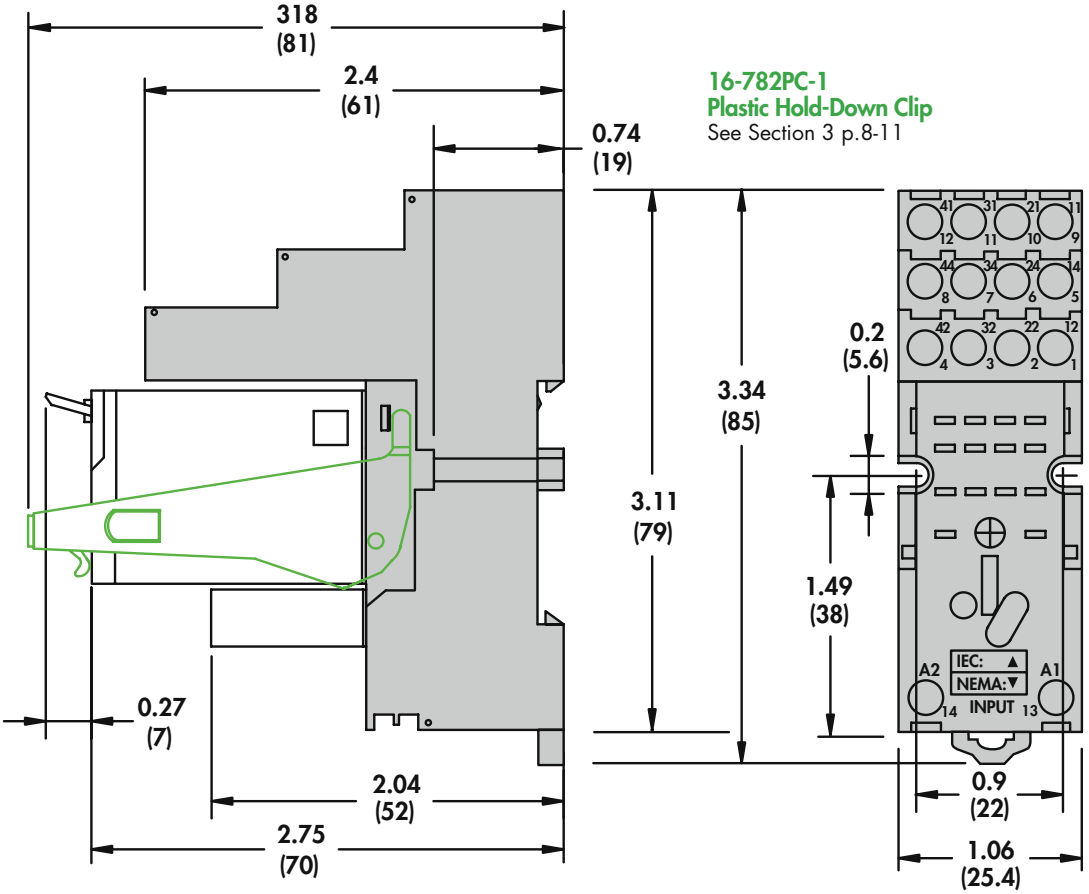
General Specifications (UL 508)

Characteristics	Units	Value
Number of Terminals		14
Electrical Rating		
Nominal Voltage Rating	Volts	300
Nominal Current Rating	Amps	10
Dielectric Strength		
Output to Adjacent Output Terminals	V rms	3000
Output to Input Terminals	V rms	3000
Terminals to Rail / Chassis	V rms	3000
Temperature		
Operating Range:	°C	- 40 to + 80
Storage Range:	°C	- 40 to + 105
Construction		
Protection Category (Finger-Safe)	EN 60529	IP 20
Internal Metal Tracks		Copper Alloy, Zinc Plated
Screw Terminals		Steel, Zinc Plated
Screw Style		Combination Head,
Screw size	mm	M3
Screw Torque 3.5 mm (Maximum)	Lb-in / Nm	7 / 0.8
Miscellaneous		
Socket Mounting:		Din / Panel
Wire Size Capacity (Maximum)	EN 60204-1	AWG mm2
Soild Cu	AWG, mm2	16 / 18 (2) 1.5 /0.75 (2)
Stranded Cu	AWG, mm2	16 / 18 (2) 1.5 / 0.75 (2)
Wire Connection Method		Elevator
DIN Rail Mounting	EN 60715	35mm
Chassis Mount Screw Torque	Lb-in / Nm	7 / 0.8
Flamability Rating	Class	94V-0
Body Color		Light Gray
DIN Locking Method		Red Plastic Locking Clip
Product Certification		UL, CSA
Conformance		CE, RoHS
Weight	grams	62

Optional Mating Accessories

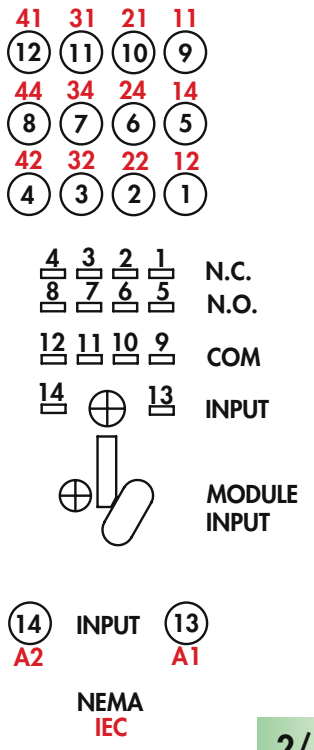


Standard Part Number	Description	Catalog Location
782XDX1, 2, 3 & 782H	Relay	Section 1 p.16-17, 42-43
16-782PC-1	Plastic Hold-Down Ejector Clip for 782	Section 3 p.8-11
16-700ST-1	Plastic Snap-On I.D. Tag	Section 3 p.12
16-782SC	Metal Hold-Down Clip for 782	Section 3 p.8-11
16-1342	Metal Hold-Down Clip/782H Relay Only	Section 3 p.8-11
TDR782XDX	Relay	Section 5 p.14-17
16-TDR782SC	Metal Hold-Down Clip for TDR782	Section 3 p.8-11
70-BSM	Module	Section 3 p.6-7
16-782FT-1	Plastic I.D. Tag	Section 3 p.12
16-782CBJ-1	Coil Bus Jumper	Section 3 p.13
16-700DIN	Metal DIN Rail	Section 3 p.19
16-DCLIP-1	DIN Rail Locking Clip	Section 3 p.19



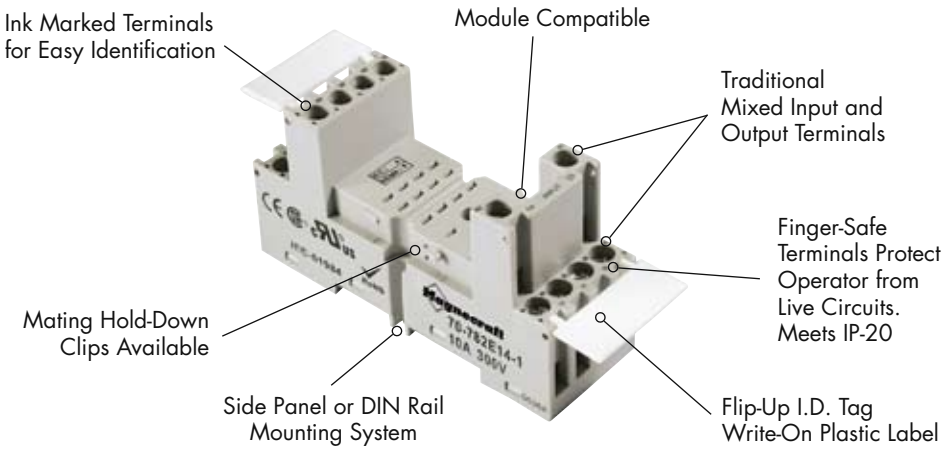
16-782PC-1
Plastic Hold-Down Clip
See Section 3 p.8-11

Wiring Diagram
Top View



70-782E14-1 Socket/10 Amp Rating, 300 Volts

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RoHS Compliant

BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

Standard Part Number	Description
70-782E14-1	14-Pin Economy, Ice Cube, DIN/Panel Mount with Rising Elevator Box Terminals, Module Compatible

General Specifications (UL 508)

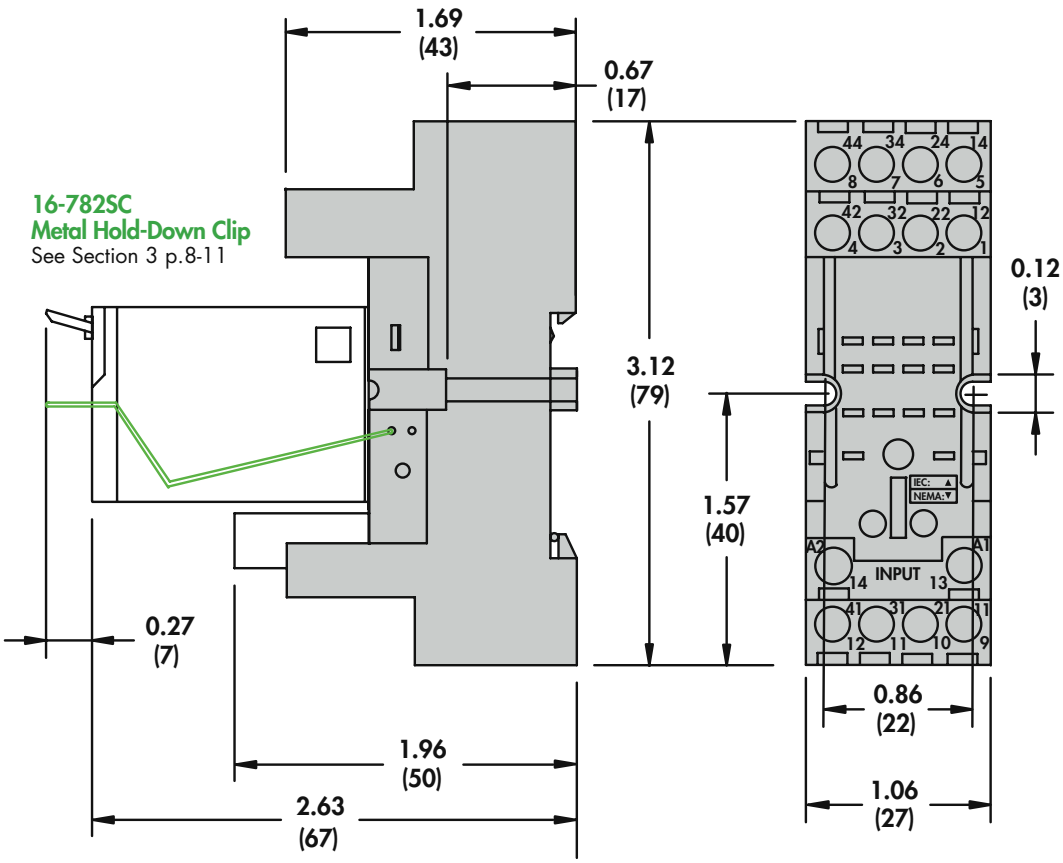
Characteristics	Units	Value
Number of Terminals		14
Electrical Rating		
Nominal Voltage Rating	Volts	300
Nominal Current Rating	Amps	10
Dielectric Strength		
Output to Adjacent Output Terminals	V rms	3000
Output to Input Terminals	V rms	3000
Terminals to Rail / Chassis	V rms	3000
Temperature		
Operating Range:	°C	- 40 to + 80
Storage Range:	°C	- 40 to + 105
Construction		
Protection Category (Finger-Safe)	EN 60529	IP 20
Internal Metal Tracks		Copper Alloy, Zinc Plated
Screw Terminals		Steel, Zinc Plated
Screw Style		Combination Head,
Screw size	mm	M3
Screw Torque 3.5 mm (Maximum)	Lb-in / Nm	7 / 0.8
Miscellaneous		
Socket Mounting:		Din / Panel
Wire Size Capacity (Maximum)	EN 60204-1	AWG mm2
Soild Cu	AWG, mm2	16 / 18 (2) 1.5 /0.75 (2)
Stranded Cu	AWG, mm2	16 / 18 (2) 1.5 / 0.75 (2)
Wire Connection Method		Elevator
DIN Rail Mounting	EN 60715	35mm
Chassis Mount Screw Torque	Lb-in / Nm	7 / 0.8
Flamability Rating	Class	94V-0
Body Color		Light Gray
DIN Locking Method		Metal Compression Spring
Product Certification		UL, CSA
Conformance		CE, RoHS
Weight	grams	56

Optional Mating Accessories

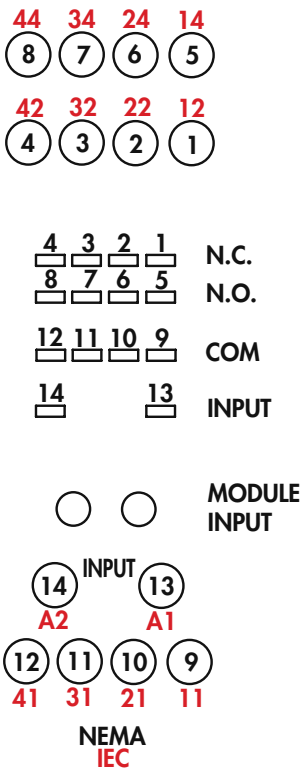


Standard Part Number	Description	Catalog Location
782XDX1, 2, 3 & 782H	Relay	Section 1 p.18-19, 42-43
16-1342	Metal Hold-Down Clip used with 782H	Section 3 p.8-11
16-782PC-1	Plastic Hold-Down Ejector Clip for 782	Section 3 p.8-11
16-700ST-1	Plastic Snap-On I.D. Tag	Section 3 p.12
16-782SC	Metal Hold-Down Clip for 782	Section 3 p.8-11
TDR782XDX	Relay	Section 5 p.14-17
16-TDR782SC	Metal Hold-Down Clip for TDR782	Section 3 p.8-11
70-BSM	Module	Section 3 p.6-7
16-782FT-1	Plastic I.D. Tag	Section 3 p.12
16-700DIN	Metal DIN Rail	Section 3 p.19
16-DCLIP-1	DIN Rail Locking Clip	Section 3 p.19

16-782SC
Metal Hold-Down Clip
See Section 3 p.8-11

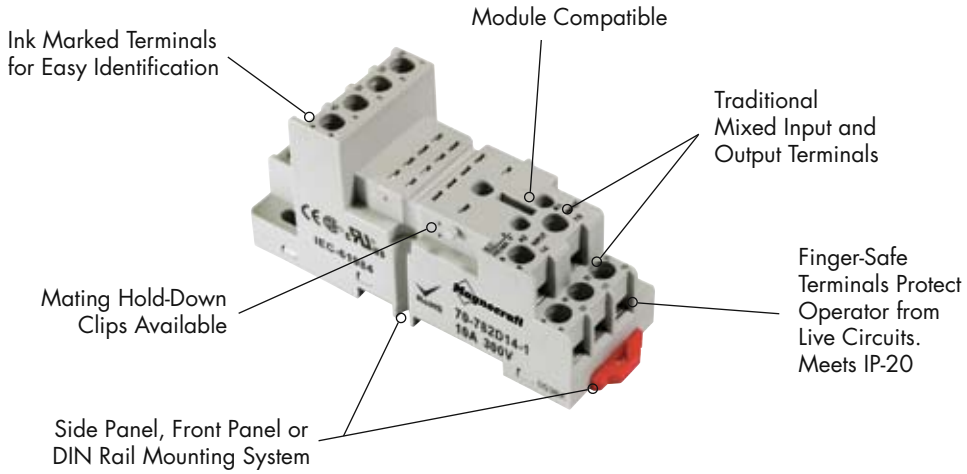


Wiring Diagram
Top View



70-782D14-1 Socket/10 Amp Rating, 300 Volts

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RoHS Compliant

BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

Standard Part Number	Description
70-782D14-1	14-Pin Ice Cube, DIN/Panel Mount with Screw Terminals & Clamping Plates.

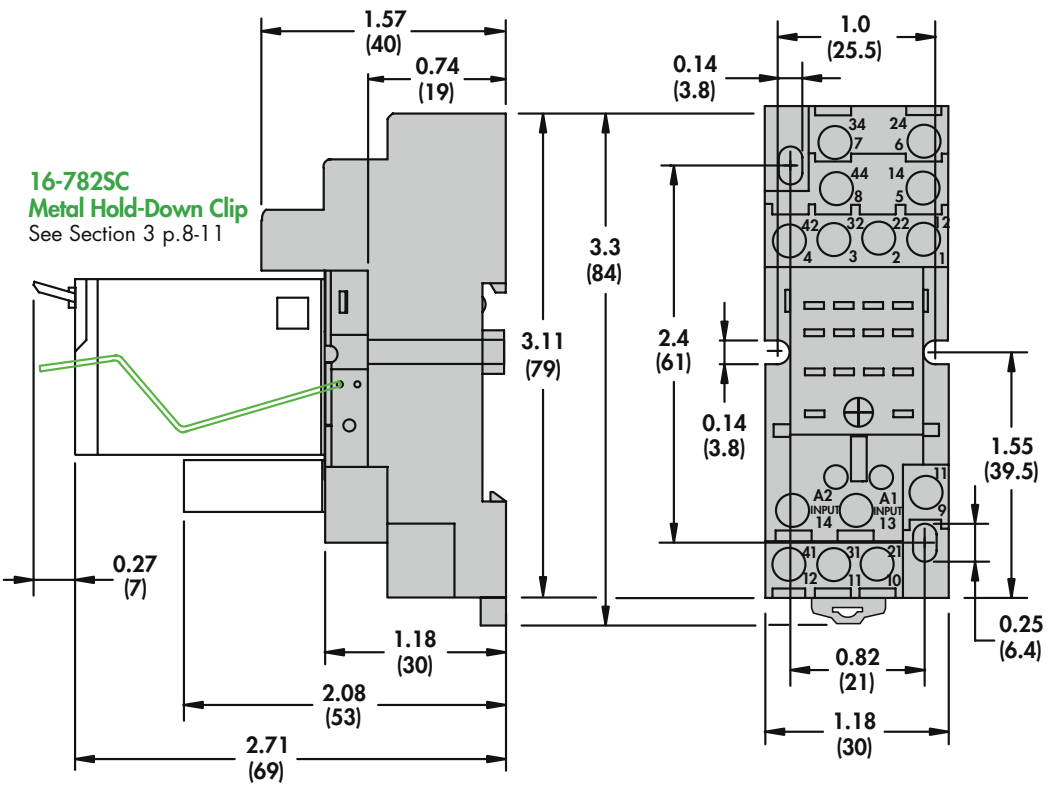
General Specifications (UL 508)

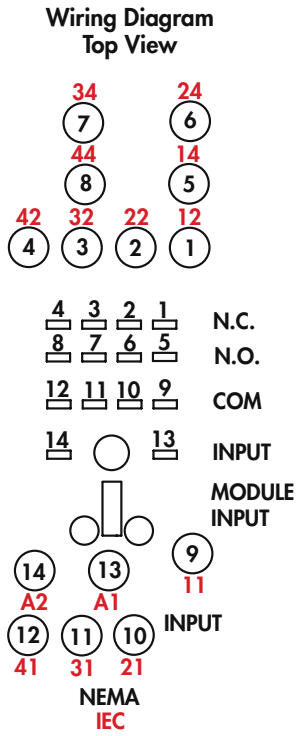
Characteristics	Units	Value
Number of Terminals		14
Electrical Rating		
Nominal Voltage Rating	Volts	300
Nominal Current Rating	Amps	10
Dielectric Strength		
Output to Adjacent Output Terminals	V rms	3000
Output to Input Terminals	V rms	3000
Terminals to Rail / Chassis	V rms	3000
Temperature		
Operating Range:	°C	- 40 to + 80
Storage Range:	°C	- 40 to + 105
Construction		
Protection Category (Finger-Safe)	EN 60529	IP 20
Internal Metal Tracks		Copper Alloy, Zinc Plated
Screw Terminals		Steel, Zinc Plated
Screw Style		Combination Head,
Screw size	mm	M3.5
Screw Torque 3.5 mm (Maximum)	Lb-in / Nm	9 /1.0
Miscellaneous		
Socket Mounting:		Din / Panel
Wire Size Capacity (Maximum)	EN 60204-1	AWG mm2
Soild Cu	AWG, mm2	16 / 18 (2) 1.5 / 0.75 (2)
Stranded Cu	AWG, mm2	16 / 18 (2) 1.5 / 0.75 (2)
Wire Connection Method		Screw Clamping
DIN Rail Mounting	EN 60715	35mm
Chassis Mount Screw Torque	Lb-in / Nm	7 / 0.8
Flamability Rating	Class	94V-0
Body Color		Light Gray
DIN Locking Method		Red Plastic Locking Clip
Product Certification		UL, CSA
Conformance		CE, RoHS
Weight	grams	62

Optional Mating Accessories



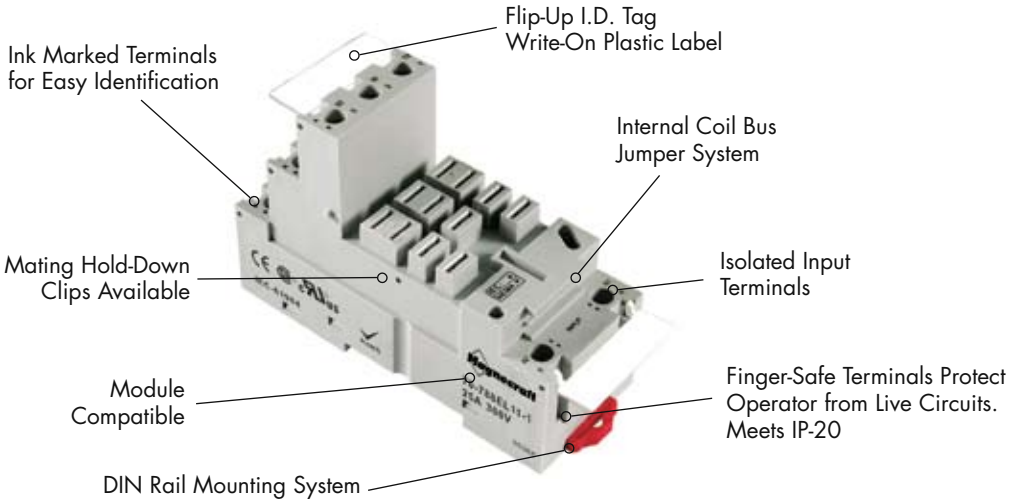
Standard Part Number	Description	Catalog Location
782XDX1, 2, 3 & 782H	Relay	Section 1 p.18-19, 42-43
16-782PC-1	Plastic Hold-Down Ejector Clip for 782	Section 3 p.8-11
16-700ST-1	Plastic Snap-On I.D. Tag	Section 3 p.12
16-782SC	Metal Hold-Down Clip for 782	Section 3 p.8-11
16-1342	Metal Hold-Down Clip used with 782H	Section 3 p.8-11
TDR782XDX	Relay	Section 5 p.14-17
16-TDR782SC	Metal Hold-Down Clip for TDR782	Section 3 p.8-11
70-BSM	Module	Section 3 p.6-7
16-700DIN	Metal DIN Rail	Section 3 p.19
16-DCLIP-1	DIN Rail Locking Clip	Section 3 p.19





70-788EL11-1 Socket/25 Amp Rating, 300 Volts

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File No. E70550

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RoHS Compliant

BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

Standard Part Number	Description
70-788EL11-1	11-Pin Logic Style, Finger-Safe, DIN Mount, Elevator Terminals, Module Compatible

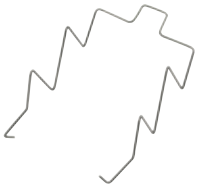
General Specifications (UL 508)

Characteristics	Units	Value
Number of Terminals		11
Electrical Rating		
Nominal Voltage Rating	Volts	300
Nominal Current Rating	Amps	25
Dielectric Strength		
Output to Adjacent Output Terminals	V rms	3000
Output to Input Terminals	V rms	3000
Terminals to Rail / Chassis	V rms	3000
Temperature		
Operating Range:	°C	- 40 to + 80
Storage Range:	°C	- 40 to + 105
Construction		
Protection Category (Finger-Safe)	EN 60529	IP 20
Internal Metal Tracks		Copper Alloy, Zinc Plated
Screw Terminals		Steel, Zinc Plated
Screw Style		Combination Head,
Screw size	mm	M3.5
Screw Torque 3.5 mm (Maximum)	Lb-in / Nm	9 /1.0
Miscellaneous		
Socket Mounting:		Din
Wire Size Capacity (Maximum)	EN 60204-1	AWG mm2
Soild Cu	AWG, mm2	10 / 12 (2) 6 / 4 (2)
Stranded Cu	AWG, mm2	10 / 12 (2) 6 / 4 (2)
Wire Connection Method		Elevator
DIN Rail Mounting	EN 60715	35mm
Flamability Rating	Class	94V-0
Body Color		Light Gray
DIN Locking Method		Red Plastic Locking Clip
Product Certification		UL, CSA
Conformance		CE, RoHS
Weight	grams	96

Optional Mating Accessories



788 Relay



16-1351



70-ASM



16-750/788CBJ-1



16-750/788FT-1



16-700DIN

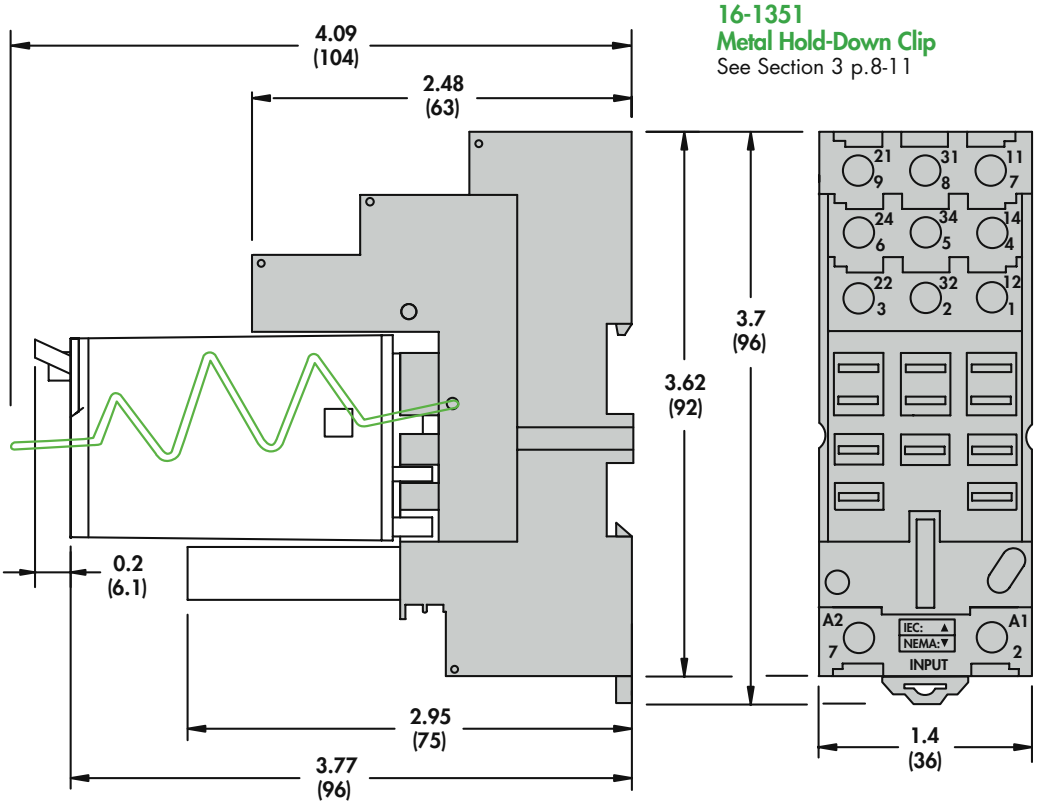


16-DCLIP-1



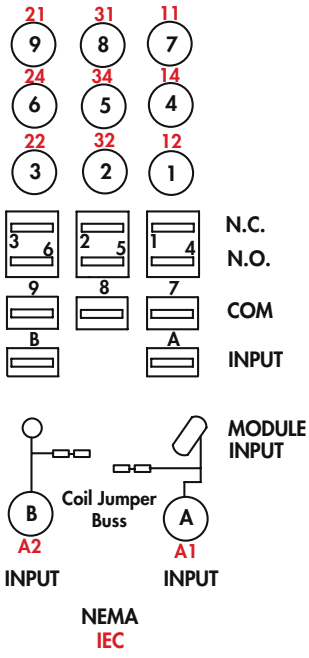
16-788C1

Standard Part Number	Description	Catalog Location
788	Relay	Section 1 p.30-38
16-1351	Metal Hold-Down Clip	Section 3 p.8-11
70-ASM	Module	Section 3 p.4-5
16-750/788CBJ-1	Coil Bus Jumper	Section 3 p.13
16-750/788FT-1	Plastic I.D. Tag	Section 3 p.12
16-700DIN	Metal DIN Rail	Section 3 p.19
16-DCLIP-1	DIN Rail Locking Clip	Section 3 p.19
16-788C1	Panel Mount Adapter	Section 3 p.18



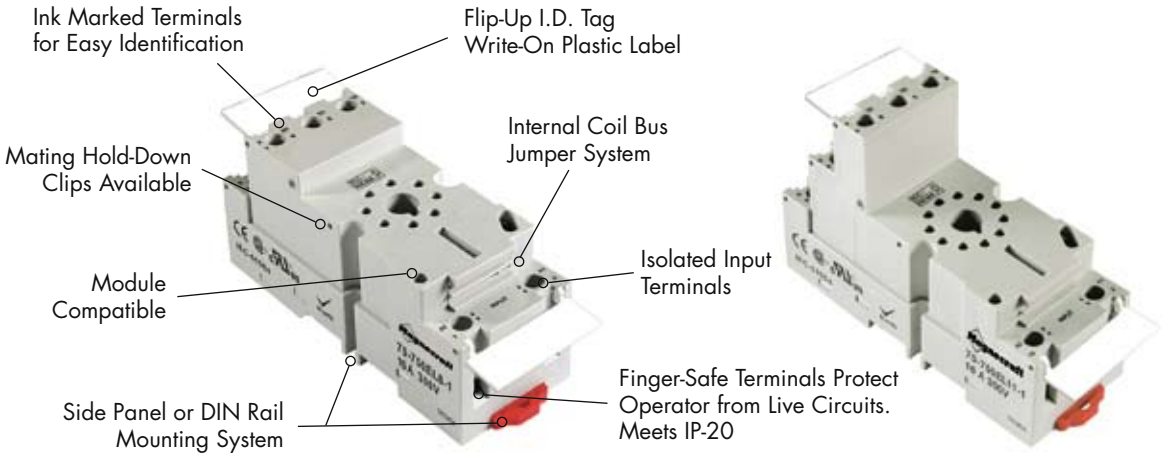
16-1351
Metal Hold-Down Clip
See Section 3 p.8-11

Wiring Diagram
Top View



70-750EL8-1, 70-750EL11-1 Sockets/16 Amp Rating, 300 Volts

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70-750EL8-1 70-750EL11-1

UL Recognized File No. E70550 Certified 40787

BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

Standard Part Number	Description
70-750EL8-1 **70-750EL11-1**	8 and 11-Pin Octal, Logic Style, Finger-Safe, DIN/Panel Mount w/Elevator Terminals, Module Compatible

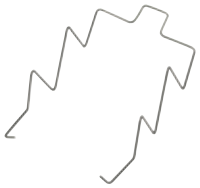
General Specifications (UL 508)

Characteristics	Units	Value
Number of Terminals		8, 11
Electrical Rating		
Nominal Voltage Rating	Volts	300
Nominal Current Rating	Amps	16
Dielectric Strength		
Output to Adjacent Output Terminals	V rms	3000
Output to Input Terminals	V rms	3000
Terminals to Rail / Chassis	V rms	3000
Temperature		
Operating Range:	°C	- 40 to + 80
Storage Range:	°C	- 40 to + 105
Construction		
Protection Category (Finger-Safe)	EN 60529	IP 20
Internal Metal Tracks		Copper Alloy, Zinc Plated
Screw Terminals		Steel, Zinc Plated
Screw Style		Combination Head,
Screw size	mm	M3.5
Screw Torque 3.5 mm (Maximum)	Lb-in / Nm	9 /1.0
Miscellaneous		
Socket Mounting:		Din / Panel
Wire Size Capacity (Maximum)	EN 60204-1	AWG mm2
Soild Cu	AWG, mm2	12 / 14 (2) 4 / 2.5 (2)
Stranded Cu	AWG, mm2	12 / 14 (2) 4 / 2.5 (2)
Wire Connection Method		Elevator
DIN Rail Mounting	EN 60715	35mm
Chassis Mount Screw Torque	Lb-in / Nm	7 / 0.8
Flamability Rating	Class	94V-0
Body Color		Light Gray
DIN Locking Method		Red Plastic Locking Clip
Product Certification		UL, CSA
Conformance		CE, RoHS
Weight	grams	79

Optional Mating Accessories



750 Relay



16-1351



70-ASM



16-750/788FT-1



16-750/788CBJ-1

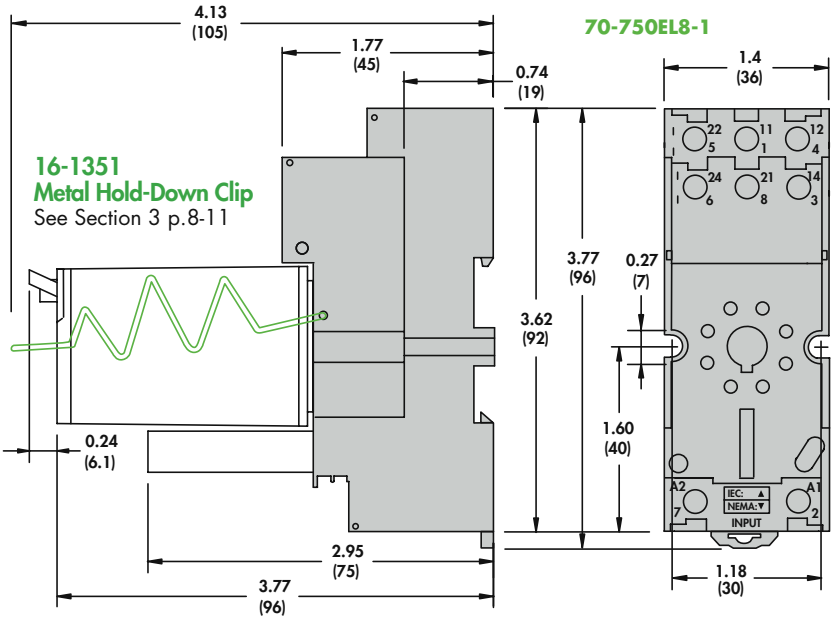


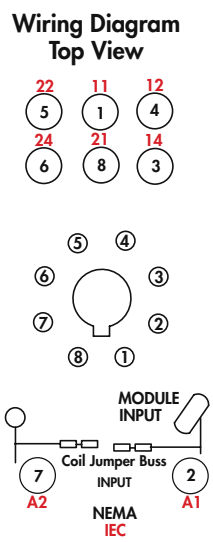
16-700DIN

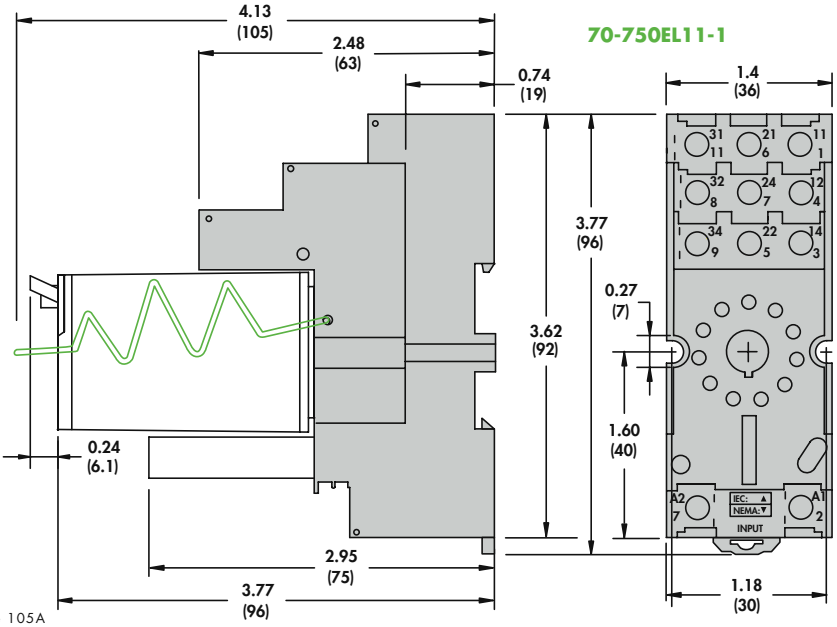


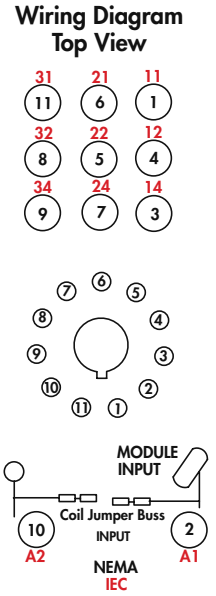
16-DCLIP-1

Standard Part Number	Description	Catalog Location
750	Relay	Section 1 p.24-29
16-1351	Metal Hold-Down Clip	Section 3 p.8-11
70-ASM	Module	Section 3 p.4-5
16-750/788FT-1	Plastic I.D. Tag	Section 3 p.12
16-750/788CBJ-1	Coil Bus Jumper	Section 3 p.13
16-700DIN	Metal DIN Rail	Section 3 p.19
16-DCLIP-1	DIN Rail Locking Clip	Section 3 p.19



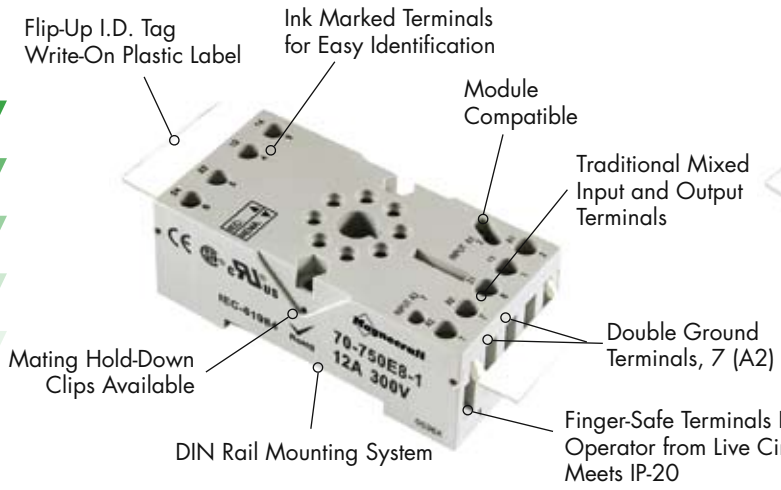






70-750E8-1, 70-750E11-1 Sockets/12 Amp Rating, 300 Volts

NEW
NEW
NEW
NEW
NEW



70-750E8-1



70-750E11-1

UL Recognized
File No. E70550

Certified
40787

BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

Standard Part Number	Description
70-750E8-1 **70-750E11-1**	8 and 11-Pin Octal, DIN/Panel Mount with Elevator Terminals, Module Compatible

General Specifications (UL 508)

Characteristics	Units	Value
Number of Terminals		8, 11
Electrical Rating		
Nominal Voltage Rating	Volts	300
Nominal Current Rating	Amps	12
Dielectric Strength		
Output to Adjacent Output Terminals	V rms	3000
Output to Input Terminals	V rms	3000
Terminals to Rail / Chassis	V rms	3000
Temperature		
Operating Range:	°C	- 40 to + 80
Storage Range:	°C	- 40 to + 105
Construction		
Protection Category (Finger-Safe)	EN 60529	IP 20
Internal Metal Tracks		Copper Alloy, Zinc Plated
Screw Terminals		Steel, Zinc Plated
Screw Style		Combination Head,
Screw size	mm	M3.5
Screw Torque 3.5 mm (Maximum)	Lb-in / Nm	9 /1.0
Miscellaneous		
Socket Mounting:		Din / Panel
Wire Size Capacity (Maximum)	EN 60204-1	AWG mm2
Soild Cu	AWG, mm2	14 / 16 (2) 2.5 / 1.5 (2)
Stranded Cu	AWG, mm2	14 / 16 (2) 2.5 / 1.5 (2)
Wire Connection Method		Elevator
DIN Rail Mounting	EN 60715	35mm
Chassis Mount Screw Torque	Lb-in / Nm	7 / 0.8
Flamability Rating	Class	94V-2
Body Color		Light Gray
DIN Locking Method		Metal Compression Spring
Product Certification		UL, CSA
Conformance		CE, RoHS
Weight	grams	85

Optional Mating Accessories


750 Relay


16-1351


16-1344


16-TDRPROSC



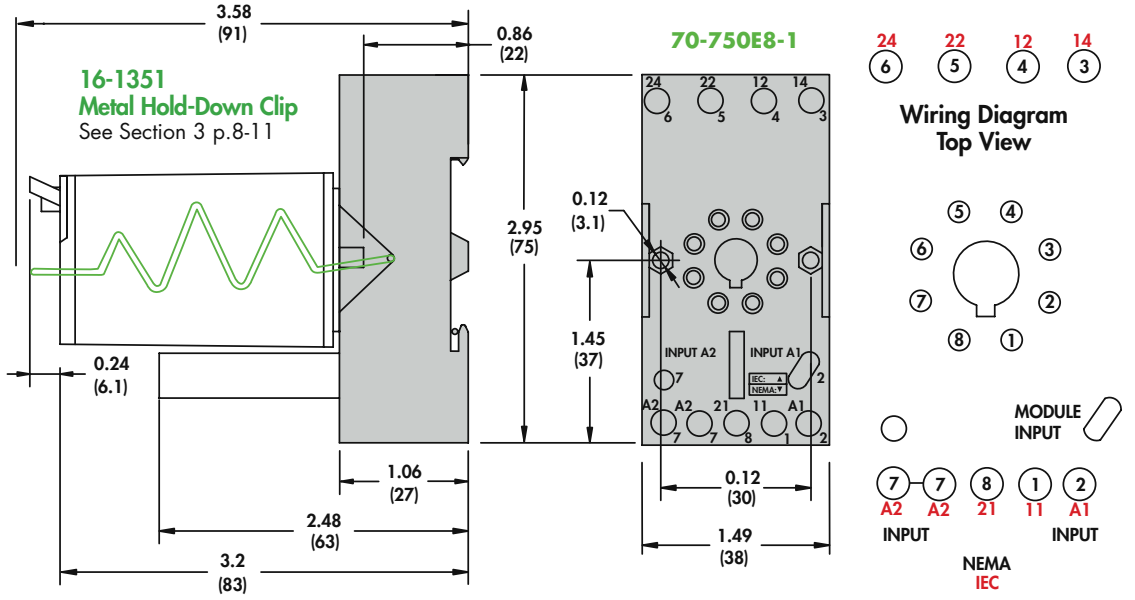
70-ASM

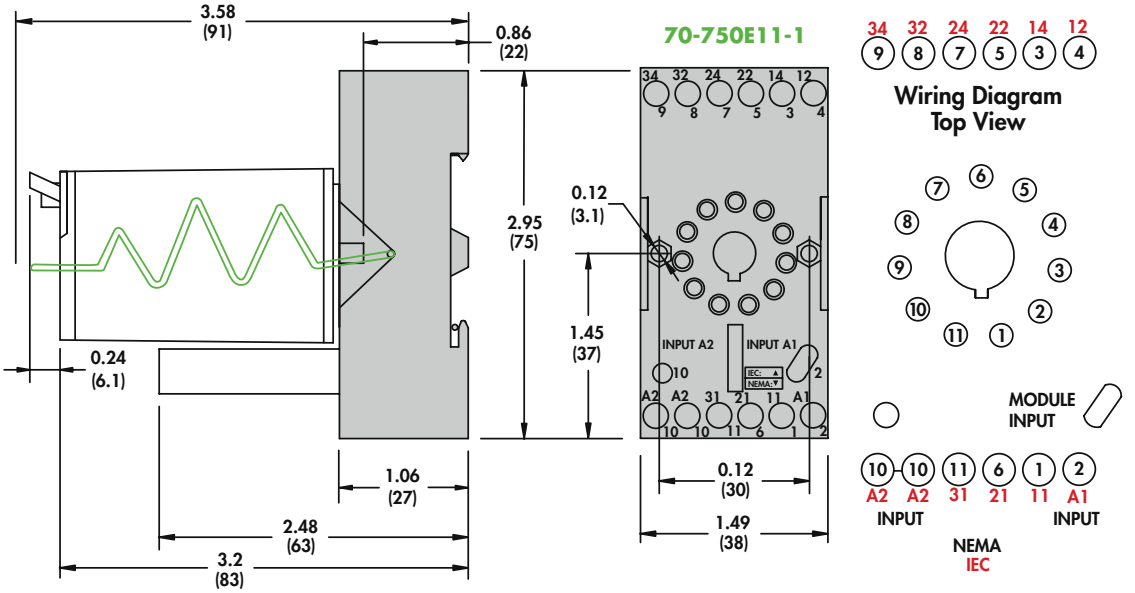

16-750/788FT-1


16-700DIN


16-DCLIP-1

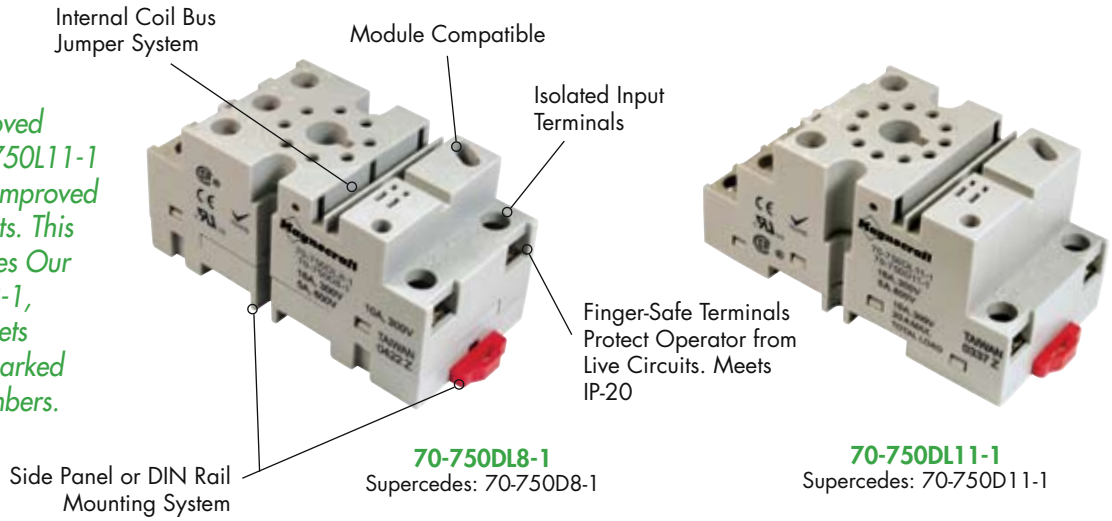
Standard Part Number	Description	Catalog Location
750, 750H	Relay	Section 1 p.24-29, 44-47
16-1351	Metal Hold-Down Clip for 750	Section 3 p.8-11
16-1344	Metal Hold-Down Clip for TDRSOX/SRX, 712	Section 3 p.8-11
16-TDRPROSC	Metal Hold-Down Clip for TDRPRO	Section 3 p.8-11
70-ASM	Module	Section 3 p.4-5
16-750/788FT-1	Plastic I.D. Tag	Section 3 p.12
16-700DIN	Metal DIN Rail	Section 3 p.19
16-DCLIP-1	DIN Rail Locking Clip	Section 3 p.19





70-750DL8-1, 70-750DL11-1 Sockets/16/5 Amp Rating, 300/600 Volts

The New and Improved 70-750DL8-1, 70-750L11-1 Sockets Now have Improved Features and Benefits. This New Socket Replaces Our Original 70-750D8-1, 70-750D11-1 Sockets and is Now Dual Marked With Both Part Numbers.



70-750DL8-1
Supercedes: 70-750D8-1

70-750DL11-1
Supercedes: 70-750D11-1

c UL us
UL Recognized
File No. E70550

Certified
40787

RoHS Compliant

BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

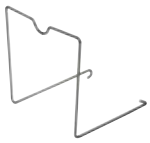
Standard Part Number	Description
70-750DL8-1 **70-750DL11-1**	8 and 11-Pin Octal, Logic Style, Finger-Safe, DIN/Panel Mount, Module Compatible

General Specifications (UL 508)

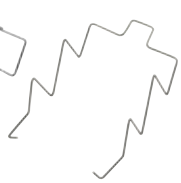
Characteristics	Units	Value
Number of Terminals		8, 11
Electrical Rating		
Nominal Voltage Rating	Volts	300 / 600
Nominal Current Rating	Amps	16 / 5
Dielectric Strength		
Output to Adjacent Output Terminals	V rms	2500
Output to Input Terminals	V rms	2500
Terminals to Rail / Chassis	V rms	2500
Temperature		
Operating Range:	°C	- 40 to + 80
Storage Range:	°C	- 40 to + 105
Construction		
Protection Category (Finger-Safe)	EN 60529	IP 20
Internal Metal Tracks		Copper Alloy, Zinc Plated
Screw Terminals		Steel, Zinc Plated
Screw Style		Combination Head,
Screw size	mm	M3.5
Screw Torque 3.5 mm (Maximum)	Lb-in / Nm	9 /1.0
Miscellaneous		
Socket Mounting:		Din / Panel
Wire Size Capacity (Maximum)	EN 60204-1	AWG mm2
Soild Cu	AWG, mm2	12 / 14 (2) 4 / 2.5 (2)
Stranded Cu	AWG, mm2	12 / 14 (2) 4 / 2.5 (2)
Wire Connection Method		Screw Clamping
DIN Rail Mounting	EN 60715	35mm
Chassis Mount Screw Torque	Lb-in / Nm	7 / 0.8
Flamability Rating	Class	94V-0
Body Color		Light Gray
DIN Locking Method		Red Plastic Locking Clip
Product Certification		UL, CSA
Conformance		CE, RoHS
Weight	grams	60, 78

Optional Mating Accessories


750 Relay


16-1332


16-1344


16-1351


16-TDRPROSC



70-ASM

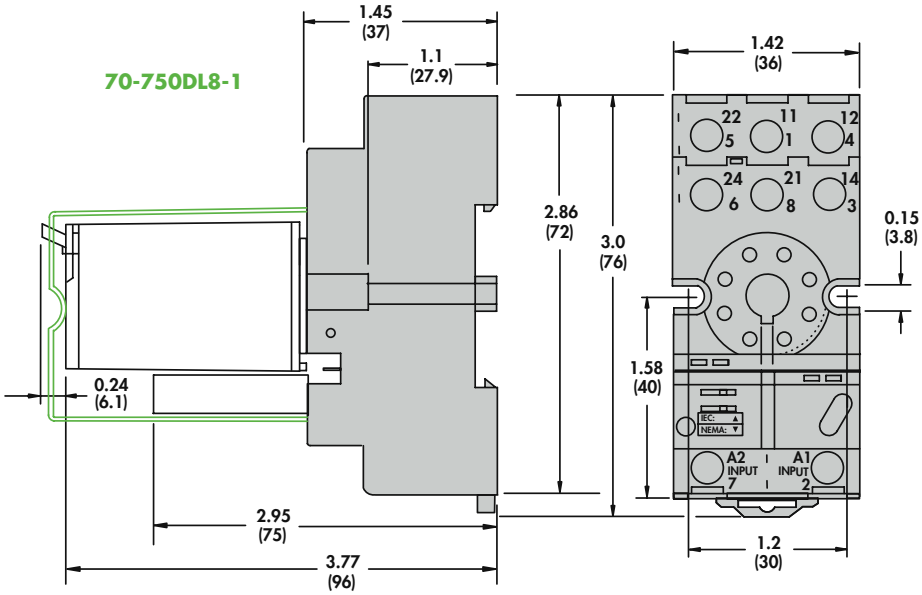

16-750/788CBJ-1


16-700DIN

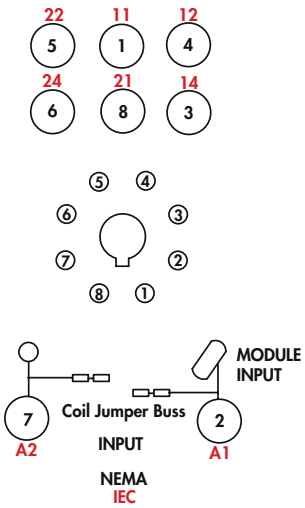

16-DCLIP-1

Standard Part Number	Description	Catalog Location
750, 750H	Relay	Section 1 p.24-29, 44-47
16-1332	Metal Hold-Down Clip for 750	Section 3 p.8-11
16-1344	Metal Hold-Down Clip for TDRSOX/SRX, 712	Section 3 p.8-11
16-1351	Metal Hold-Down Clip for 750H Relay	Section 3 p.8-11
16-TDRPROSC	Metal Hold-Down Clip for TDRPRO	Section 3 p.8-11
70-ASM	Module	Section 3 p.4-5
16-750/788CBJ-1	Coil Bus Jumper	Section 3 p.13
16-700DIN	Metal DIN Rail	Section 3 p.19
16-DCLIP-1	DIN Rail Locking Clip	Section 3 p.19

70-750DL8-1

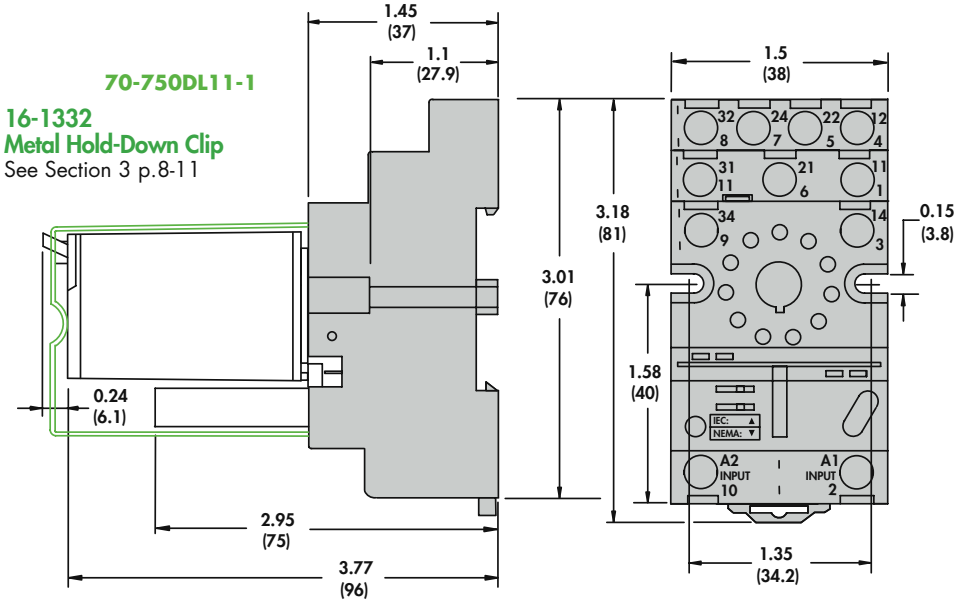


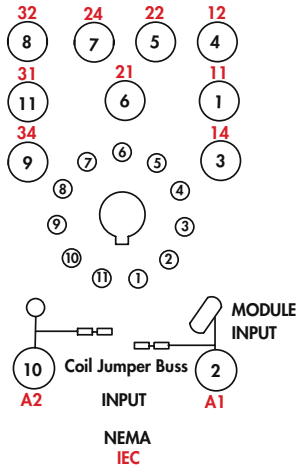
Wiring Diagrams
Top View



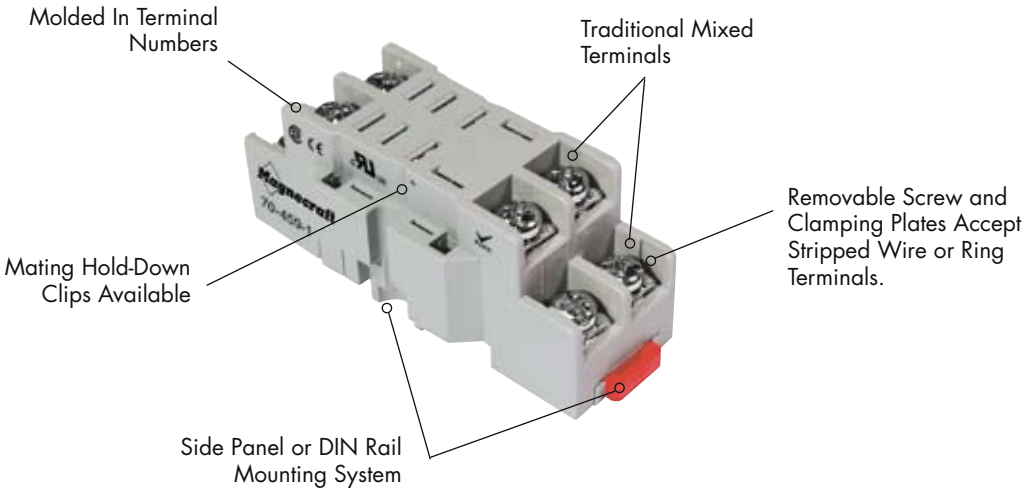
70-750DL11-1

16-1332
Metal Hold-Down Clip
See Section 3 p.8-11





70-459-1 Socket/10 Amp Rating, 300 Volts



c UL us
UL Recognized
File No. E70550

Certified
40787

RoHS Compliant

BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

Standard Part Number	Description
70-459-1	8-Pin, DIN/Panel Mount with Screw Terminals & Clamping Plates

General Specifications (UL 508)

Characteristics	Units	Value
Number of Terminals		8
Electrical Rating		
Nominal Voltage Rating	Volts	300
Nominal Current Rating	Amps	10
Dielectric Strength		
Output to Adjacent Output Terminals	V rms	2000
Output to Input Terminals	V rms	2000
Terminals to Rail / Chassis	V rms	2000
Temperature		
Operating Range:	°C	- 40 to + 80
Storage Range:	°C	- 40 to + 105
Construction		
Internal Metal Tracks		Copper Alloy, Zinc Plated
Screw Terminals		Steel, Zinc Plated
Screw Style		Combination Head,
Screw size	mm	M3.5
Screw Torque 3.5 mm (Maximum)	Lb-in / Nm	9 /1.0
Miscellaneous		
Socket Mounting:		Din / Panel
Wire Size Capacity (Maximum)	EN 60204-1	AWG mm2
Soild Cu	AWG, mm2	16 / 18 (2) 1.5 / 0.75 (2)
Stranded Cu	AWG, mm2	16 / 18 (2) 1.5 / 0.75 (2)
Wire Connection Method		Screw Clamping
DIN Rail Mounting	EN 60715	35mm
Chassis Mount Screw Torque	Lb-in / Nm	7 / 0.8
Flamability Rating	Class	94V-0
Body Color		Light Gray
DIN Locking Method		Red Plastic Locking Clip
Product Certification		UL, CSA
Conformance		CE, RoHS
Weight	grams	50

Optional Mating Accessories



782 Relay



16-1342

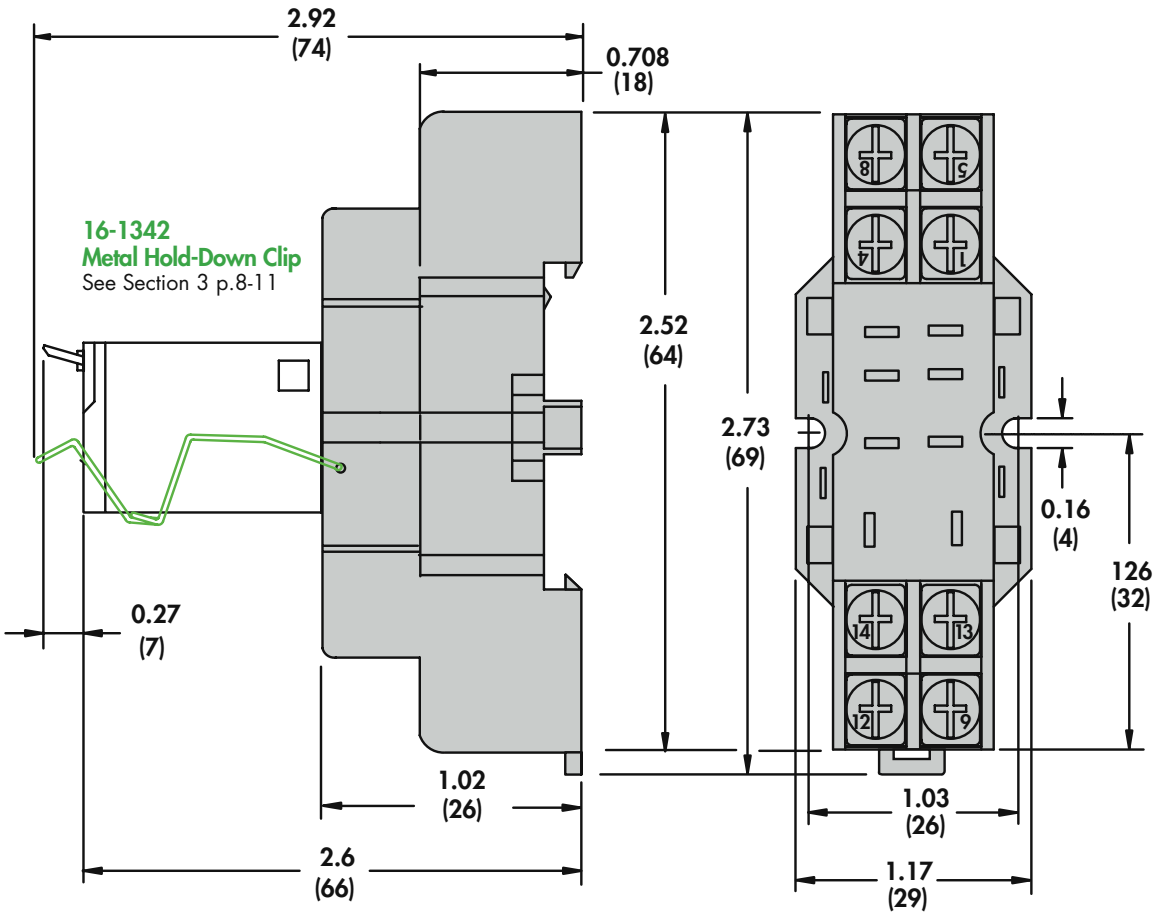


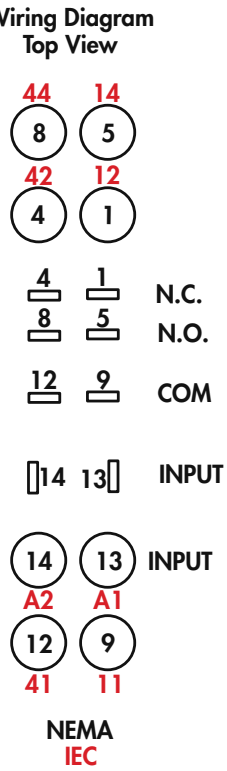
16-700DIN



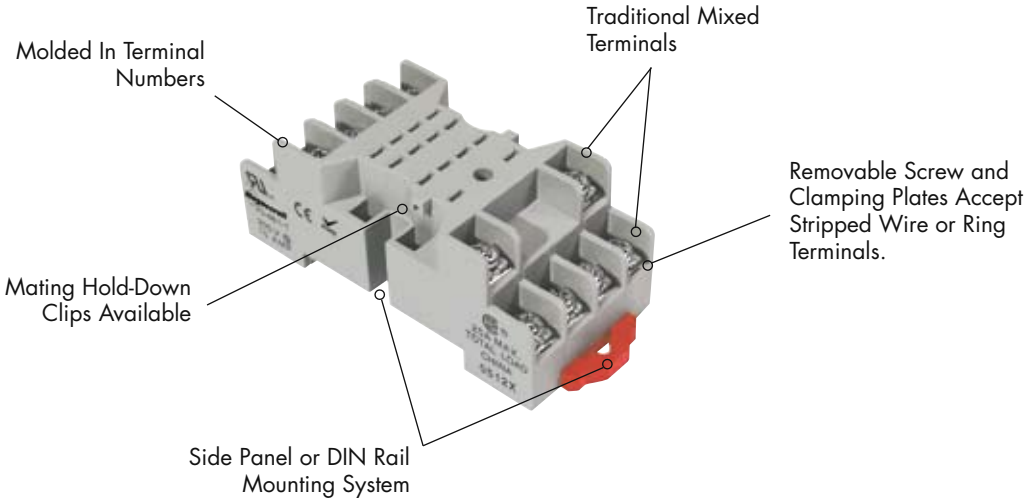
16-DCLIP-1

Standard Part Number	Description	Catalog Location
782XAX, XBX	Relay	Section 1 p.12-13
16-1342	Metal Hold-Down Clip	Section 3 p.8-11
16-700DIN	Metal DIN Rail	Section 3 p.19
16-DCLIP-1	DIN Rail Locking Clip	Section 3 p.19





70-461-1 Socket/10 Amp Rating, 300 Volts



c UL us
UL Recognized
File No. E70550

Certified
97899

RoHS Compliant

BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

Standard Part Number	Description
70-461-1	14-Pin, DIN/Panel Mount with Screw Terminals & Clamping Plates

General Specifications (UL 508)

Characteristics	Units	Value
Number of Terminals		14
Electrical Rating		
Nominal Voltage Rating	Volts	300
Nominal Current Rating	Amps	10
Dielectric Strength		
Output to Adjacent Output Terminals	V rms	1600
Output to Input Terminals	V rms	1600
Terminals to Rail / Chassis	V rms	1600
Temperature		
Operating Range:	°C	- 40 to + 80
Storage Range:	°C	- 40 to + 105
Construction		
Internal Metal Tracks		Copper Alloy, Zinc Plated
Screw Terminals		Steel, Zinc Plated
Screw Style		Combination Head,
Screw size	mm	M3
Screw Torque 3.5 mm (Maximum)	Lb-in / Nm	7 / 0.8
Miscellaneous		
Socket Mounting:		Din / Panel
Wire Size Capacity (Maximum)	EN 60204-1	AWG mm2
Soild Cu	AWG, mm2	16 / 18 (2) 1.5 / 0.75 (2)
Stranded Cu	AWG, mm2	16 / 18 (2) 1.5 / 0.75 (2)
Wire Connection Method		Screw Clamping
DIN Rail Mounting	EN 60715	35mm
Chassis Mount Screw Torque	Lb-in / Nm	7 / 0.8
Flamability Rating	Class	94V-0
Body Color		Light Gray
DIN Locking Method		Red Plastic Locking Clip
Product Certification		UL, CSA
Conformance		CE, RoHS
Weight	grams	50

Optional Mating Accessories



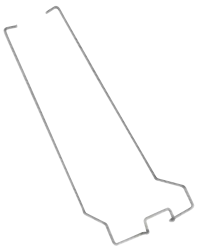
782 Relays



16-1342



TDR782 Relay



16-TDR782SC

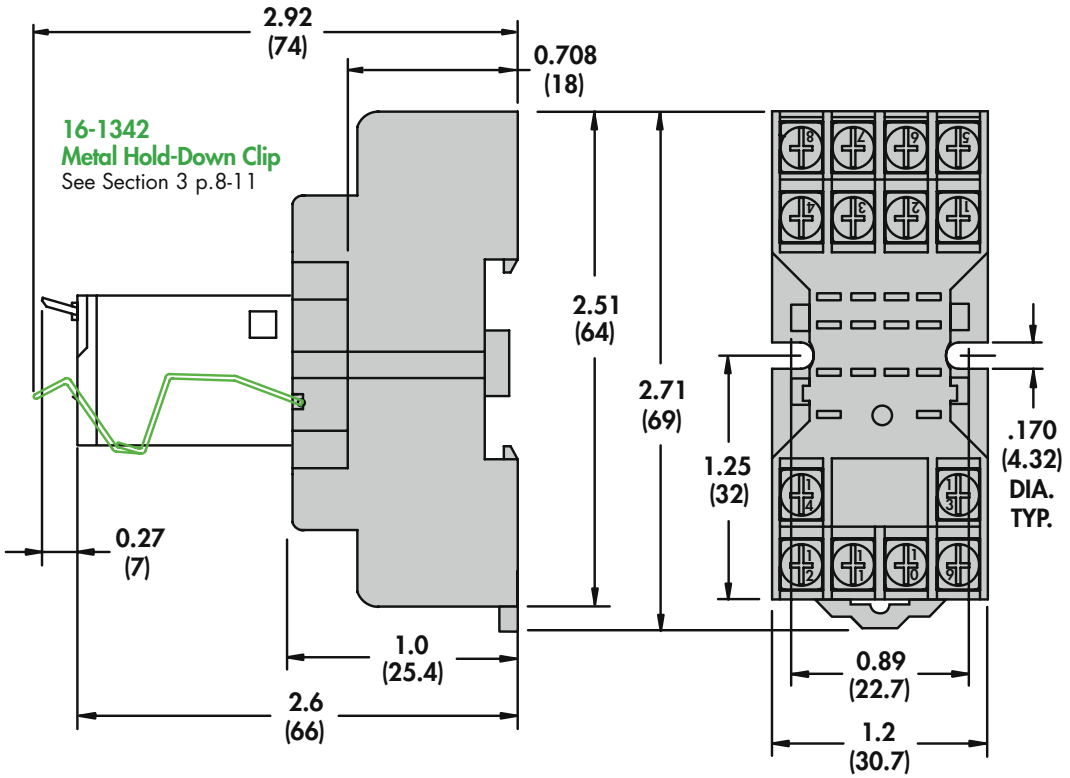


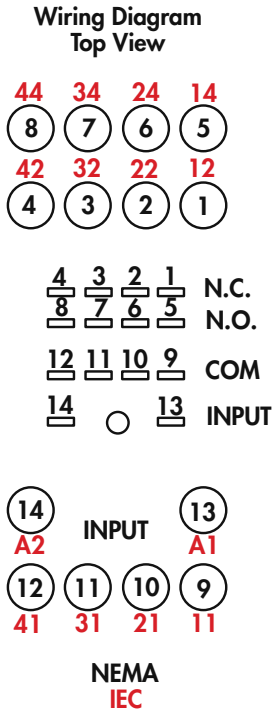
16-700DIN



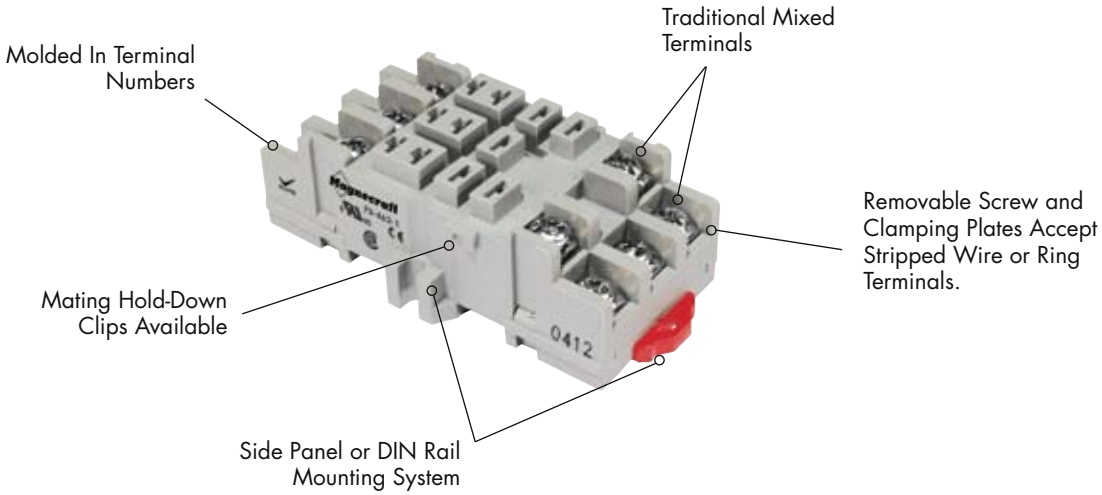
16-DCLIP-1

Standard Part Number	Description	Catalog Location
782XDX1, 2, 3 & 782H	Relays	Section 1 p.18-19, 42-43
16-1342	Metal Hold-Down Clip for 782 and 782H Relays	Section 3 p.8-11
TDR782XDX	Relay	Section 5 p.14-17
16-TDR782SC	Metal Hold-Down Clip for TDR782	Section 3 p.8-11
16-700DIN	Metal DIN Rail	Section 3 p.19
16-DCLIP-1	DIN Rail Locking Clip	Section 3 p.19





70-463-1 Socket/15 Amp Rating, 300 Volts



c UL us
UL Recognized
File No. E70550

Certified
97899

RoHS Compliant

BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

Standard Part Number	Description
70-463-1	11-Pin, DIN/Panel Mount with Screw Terminals & Clamping Plates

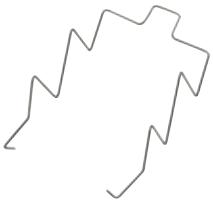
General Specifications (UL 508)

Characteristics	Units	Value
Number of Terminals		11
Electrical Rating		
Nominal Voltage Rating	Volts	300
Nominal Current Rating	Amps	15
Dielectric Strength		
Output to Adjacent Output Terminals	V rms	2000
Output to Input Terminals	V rms	2000
Terminals to Rail / Chassis	V rms	2000
Temperature		
Operating Range:	°C	- 40 to + 80
Storage Range:	°C	- 40 to + 105
Construction		
Internal Metal Tracks		Copper Alloy, Zinc Plated
Screw Terminals		Steel, Zinc Plated
Screw Style		Combination Head,
Screw size	mm	M3.5
Screw Torque 3.5 mm (Maximum)	Lb-in / Nm	9 /1.0
Miscellaneous		
Socket Mounting:		Din / Panel
Wire Size Capacity (Maximum)	EN 60204-1	AWG mm2
Soild Cu	AWG, mm2	14 / 16 (2) 2.5 / 1.5 (2)
Stranded Cu	AWG, mm2	14 / 16 (2) 2.5 / 1.5 (2)
Wire Connection Method		Screw Clamping
DIN Rail Mounting	EN 60715	35mm
Chassis Mount Screw Torque	Lb-in / Nm	7 / 0.8
Flamability Rating	Class	94V-0
Body Color		Light Gray
DIN Locking Method		Red Plastic Locking Clip
Product Certification		UL, CSA
Conformance		CE, RoHS
Weight	grams	51

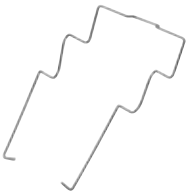
Optional Mating Accessories



788 Relay



16-1351



16-1344

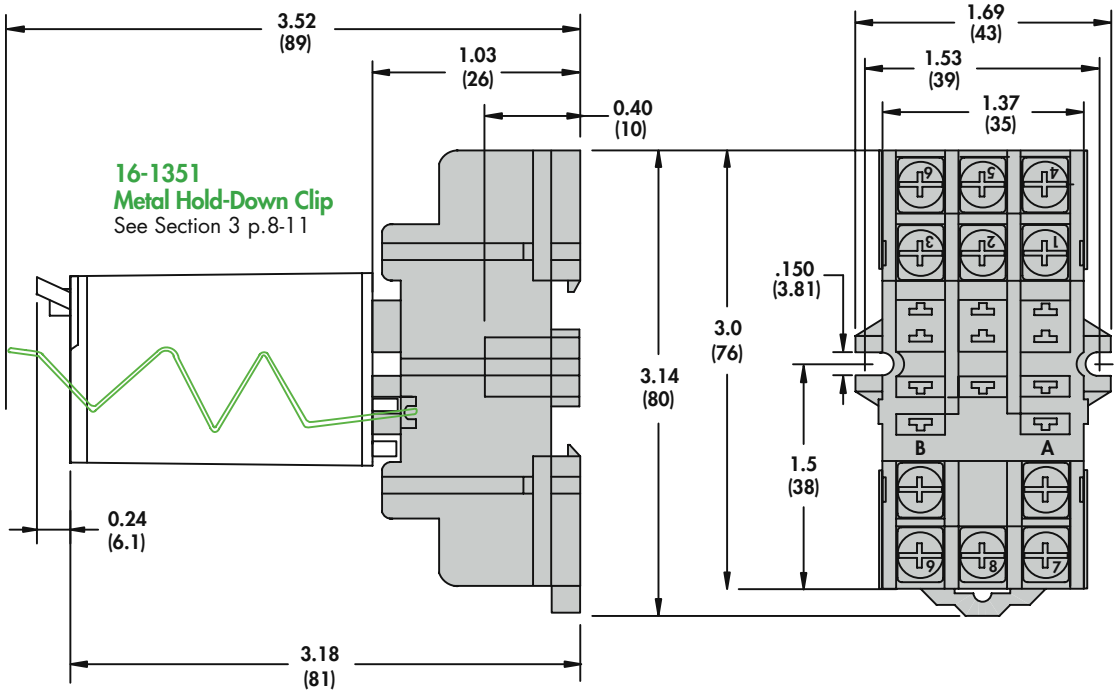


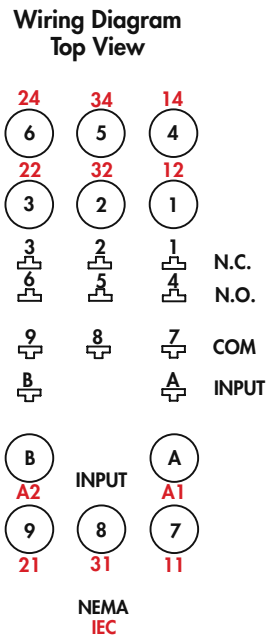
16-700DIN



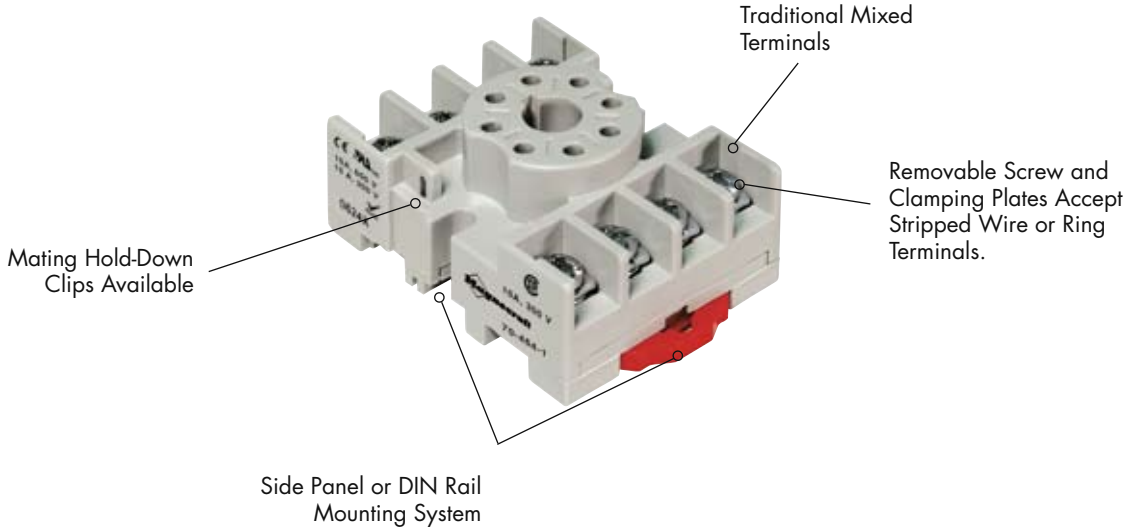
16-DCLIP-1

Standard Part Number	Description	Catalog Location
788	Relay	Section 1 p.30-38
16-1351	Metal Hold-Down Clip used with 788, 785, 711, 388 Relays	Section 3 p.8-11
16-1344	Metal Hold-Down Clip for TDRSOX/SRX Relays	Section 3 p.8-11
16-700DIN	Metal DIN Rail	Section 3 p.19
16-DCLIP-1	DIN Rail Locking Clip	Section 3 p.19





70-464-1 Socket/15/10 Amp Rating, 300/600 Volts



c UL us
UL Recognized
File No. E70550

Certified
97899

RoHS Compliant

BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

Standard Part Number	Description
70-464-1	8-Pin, Octal, DIN/Panel Mount with Screw Terminals & Clamping Plates

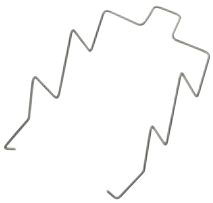
General Specifications (UL 508)

Characteristics	Units	Value
Number of Terminals		8
Electrical Rating		
Nominal Voltage Rating	Volts	300 / 600
Nominal Current Rating	Amps	15 / 10
Dielectric Strength		
Output to Adjacent Output Terminals	V rms	2000
Output to Input Terminals	V rms	2000
Terminals to Rail / Chassis	V rms	2000
Temperature		
Operating Range:	°C	- 40 to + 80
Storage Range:	°C	- 40 to + 105
Construction		
Internal Metal Tracks		Copper Alloy, Zinc Plated
Screw Terminals		Steel, Zinc Plated
Screw Style		Combination Head,
Screw size	mm	M3.5
Screw Torque 3.5 mm (Maximum)	Lb-in / Nm	9 /1.0
Miscellaneous		
Socket Mounting:		Din / Panel
Wire Size Capacity (Maximum)	EN 60204-1	AWG mm2
Soild Cu	AWG, mm2	14 / 16 (2) 2.5 / 1.5 (2)
Stranded Cu	AWG, mm2	14 / 16 (2) 2.5 / 1.5 (2)
Wire Connection Method		Screw Clamping
DIN Rail Mounting	EN 60715	35mm
Chassis Mount Screw Torque	Lb-in / Nm	7 / 0.8
Flamability Rating	Class	94V-0
Body Color		Light Gray
DIN Locking Method		Red Plastic Locking Clip
Product Certification		UL, CSA
Conformance		CE, RoHS
Weight	grams	40

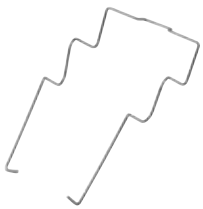
Optional Mating Accessories



750 Relay



16-1351



16-1344



16-TDRPROSC



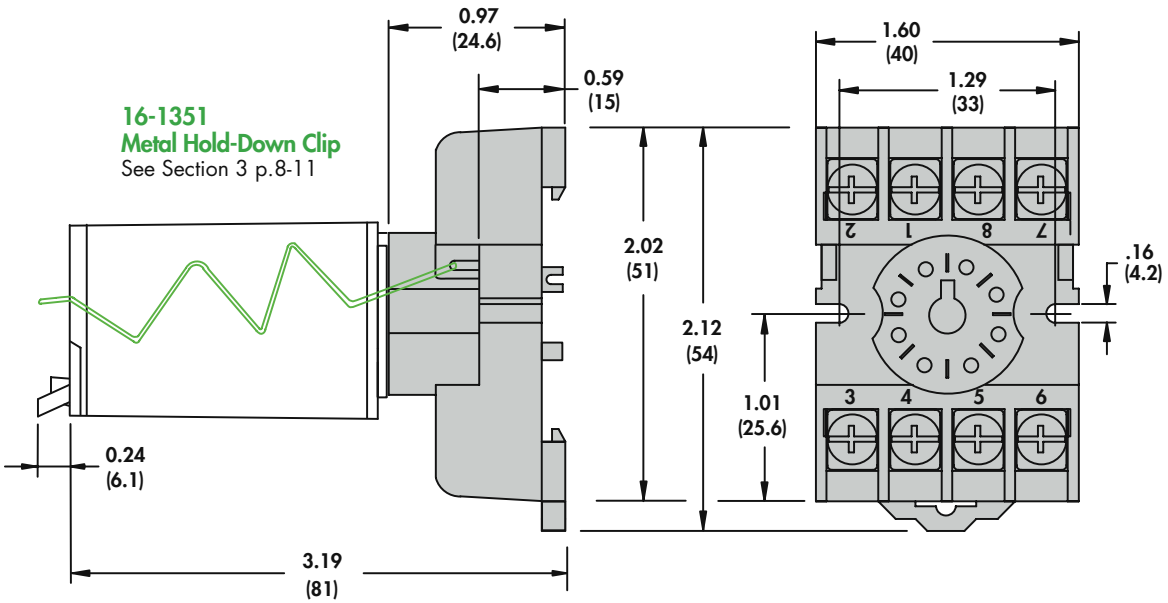
16-700DIN



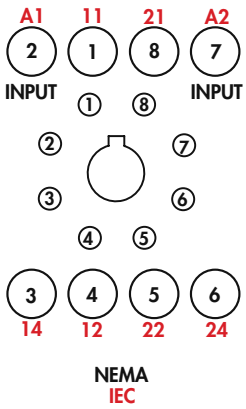
16-DCLIP-1

Standard Part Number	Description	Catalog Location
750, 750H	Relay	Section 1 p.24-29, 44-45
16-1351	Metal Hold-Down Clip, Foot Mount for 750	Section 3 p.8-11
16-1344	Metal Hold-Down Clip for the TDRSRX, 712 Relays	Section 3 p.8-11
16-TDRPROSC	Metal Hold-Down Clip for the TDRPRO	Section 3 p.8-11
16-700DIN	Metal DIN Rail	Section 3 p.19
16-DCLIP-1	DIN Rail Locking Clip	Section 3 p.19

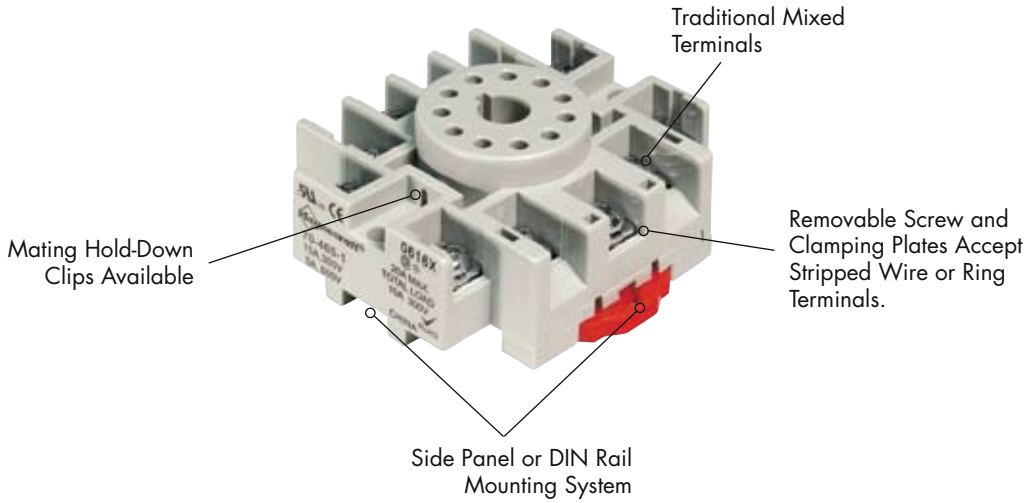
16-1351
Metal Hold-Down Clip
See Section 3 p.8-11



Wiring Diagram
Top View



70-465-1 Socket/15/5 Amp Rating, 300/600 Volts



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UL Recognized
File No. E70550

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RoHS Compliant

BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

Standard Part Number	Description
70-465-1	11-Pin, Octal, DIN/Panel Mount with Screw Terminals & Clamping Plates

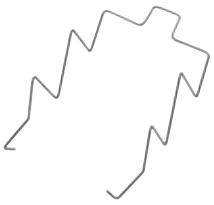
General Specifications (UL 508)

Characteristics	Units	Value
Number of Terminals		11
Electrical Rating		
Nominal Voltage Rating	Volts	300 / 600
Nominal Current Rating	Amps	15 / 5
Dielectric Strength		
Output to Adjacent Output Terminals	V rms	2000
Output to Input Terminals	V rms	2000
Terminals to Rail / Chassis	V rms	2000
Temperature		
Operating Range:	°C	- 40 to + 80
Storage Range:	°C	- 40 to + 105
Construction		
Internal Metal Tracks		Copper Alloy, Zinc Plated
Screw Terminals		Steel, Zinc Plated
Screw Style		Combination Head,
Screw size	mm	M3.5
Screw Torque 3.5 mm (Maximum)	Lb-in / Nm	9 /1.0
Miscellaneous		
Socket Mounting:		Din / Panel
Wire Size Capacity (Maximum)	EN 60204-1	AWG mm2
Soild Cu	AWG, mm2	14 / 16 (2) 2.5 / 1.5 (2)
Stranded Cu	AWG, mm2	14 / 16 (2) 2.5 / 1.5 (2)
Wire Connection Method		Screw Clamping
DIN Rail Mounting	EN 60715	35mm
Chassis Mount Screw Torque	Lb-in / Nm	7 / 0.8
Flamability Rating	Class	94V-0
Body Color		Light Gray
DIN Locking Method		Red Plastic Locking Clip
Product Certification		UL, CSA
Conformance		CE, RoHS
Weight	grams	57

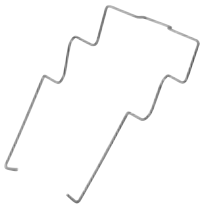
Optional Mating Accessories



750 Relay



16-1351



16-1344



16-TDRPROSC



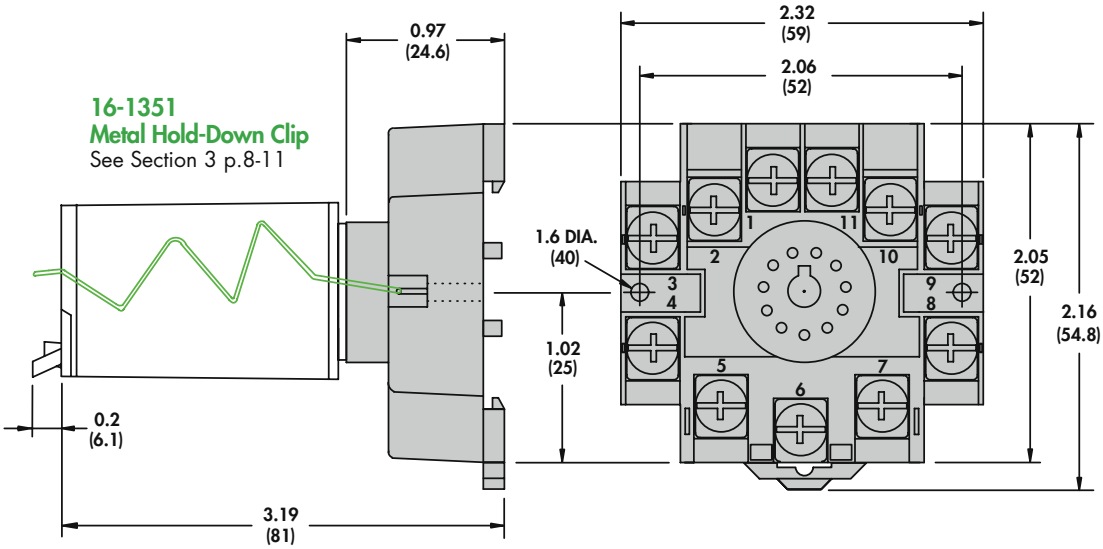
16-700DIN



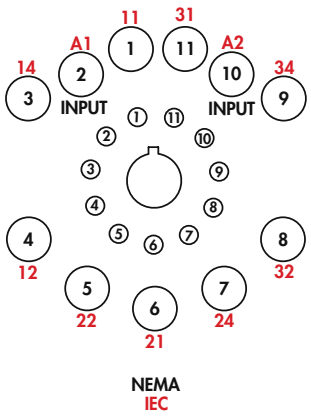
16-DCLIP-1

Standard Part Number	Description	Catalog Location
750, 750H	Relay	Section 1 p.24-29, 46-47
16-1351	Metal Hold-Down Clip for 750	Section 3 p.8-11
16-1344	Metal Hold-Down Clip for the TDRSRX, 712 Relays	Section 3 p.8-11
16-TDRPROSC	Metal Hold-Down Clip for the TDRPRO	Section 3 p.8-11
16-700DIN	Metal DIN Rail	Section 3 p.19
16-DCLIP-1	DIN Rail Locking Clip	Section 3 p.19

16-1351
Metal Hold-Down Clip
See Section 3 p.8-11



Wiring Diagram
Top View



70-169-1, 70-170-1 Sockets/15 Amp Rating, 300 Volts



70-169-1



70-170-1

UL Recognized File No. E70550 | Certified 97899 | RoHS Compliant

BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

Standard Part Number	Description
70-169-1	8 and 11-Pin, Octal, Panel Mount with Screw Terminals & Clamping Plates
70-170-1	

General Specifications (UL 508)

Characteristics	Units	Value
Number of Terminals		8, 11
Electrical Rating		
Nominal Voltage Rating	Volts	300
Nominal Current Rating	Amps	15
Dielectric Strength		
Output to Adjacent Output Terminals	V rms	2000
Output to Input Terminals	V rms	2000
Terminals to Rail / Chassis	V rms	2000
Temperature		
Operating Range:	°C	- 40 to + 80
Storage Range:	°C	- 40 to + 105
Construction		
Internal Metal Tracks		Copper Alloy, Zinc Plated
Screw Terminals		Steel, Zinc Plated
Screw Style		Combination Head,
Screw size	mm	M3.5
Screw Torque 3.5 mm (Maximum)	Lb-in / Nm	9 /1.0
Miscellaneous		
Socket Mounting:		Din / Panel
Wire Size Capacity (Maximum)	EN 60204-1	AWG mm2
Soild Cu	AWG, mm2	14 / 16 (2) 2.5 / 1.5 (2)
Stranded Cu	AWG, mm2	14 / 16 (2) 2.5 / 1.5 (2)
Wire Connection Method		Screw Clamping
	EN 60715	35mm
Chassis Mount Screw Torque	Lb-in / Nm	7 / 0.8
Flamability Rating	Class	94V-0
Body Color		Light Gray
Product Certification		UL, CSA
Conformance		RoHS
Weight	grams	57

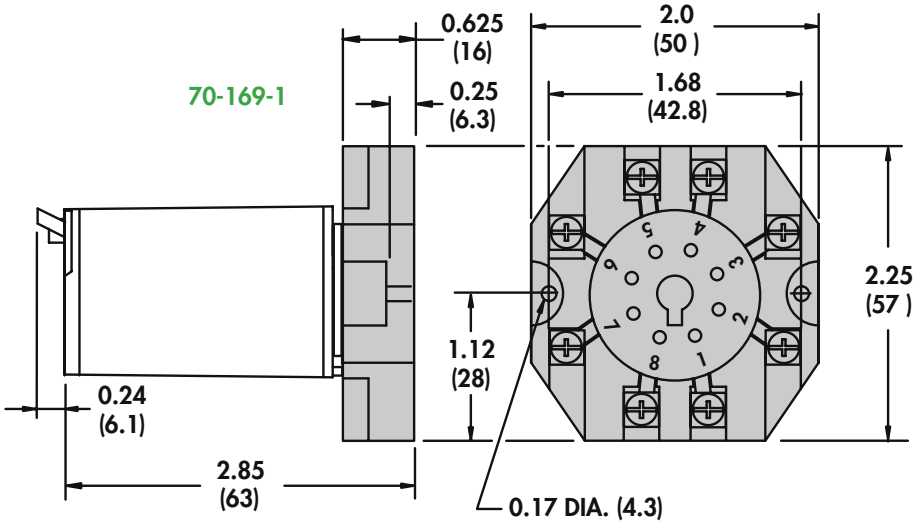
Optional Mating Accessories



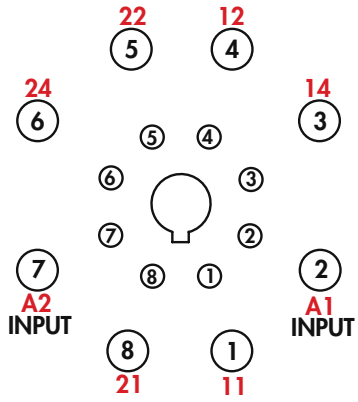
750 Relay

Standard Part Number	Description	Catalog Location
750, 750H	Relay	Section 1 p.24-29, 44-47

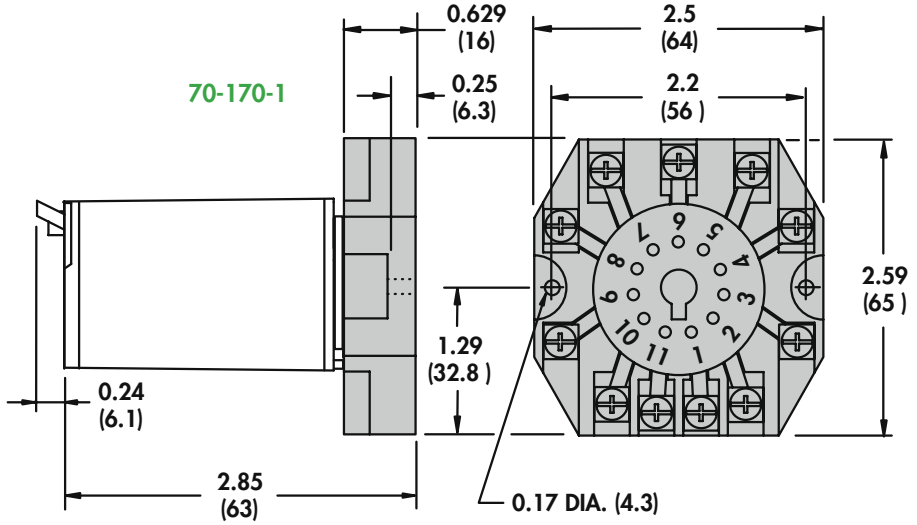
70-169-1

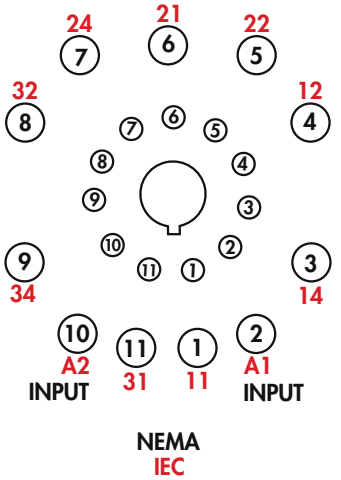


Wiring Diagram
Top View



70-170-1





70-781F-1 Socket/15 Amp, 300 Volts



UL Recognized
File No. E70550

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BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

Standard Part Number	Description
70-781F-1	5-Pin, Solder Terminals for Chassis mount

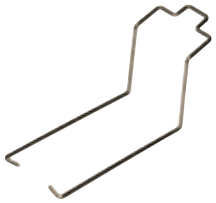
General Specifications (UL 508)

Characteristics	Units	Value
Number of Terminals		5
Electrical Rating		
Nominal Voltage Rating	Volts	300
Nominal Current Rating	Amps	15
Dielectric Strength		
Output to Input Terminals	V rms	2500
Temperature		
Operating Range:	°C	- 40 to + 80
Storage Range:	°C	- 40 to + 105
Construction		
Internal Metal Tracks		Copper Alloy, Tin Plated
Terminals		Copper Alloy, Tin Plated
Miscellaneous		
Socket Mounting:		Chassis
Wire Size Capacity (Maximum)	EN 60204-1	AWG mm2
Soild Cu (Output)	AWG, mm2	14 2.5
Stranded Cu (Output)	AWG, mm2	14 2.5
Soild Cu (Input)	AWG, mm2	18 0.8
Stranded Cu (Input)	AWG, mm2	18 0.8
Wire Connection Method		Solder
Flamability Rating	Class	94V-0
Body Color		Light Gray
Product Certification		UL, CSA
Conformance		CE, RoHS
Weight	grams	18

Optional Mating Accessories



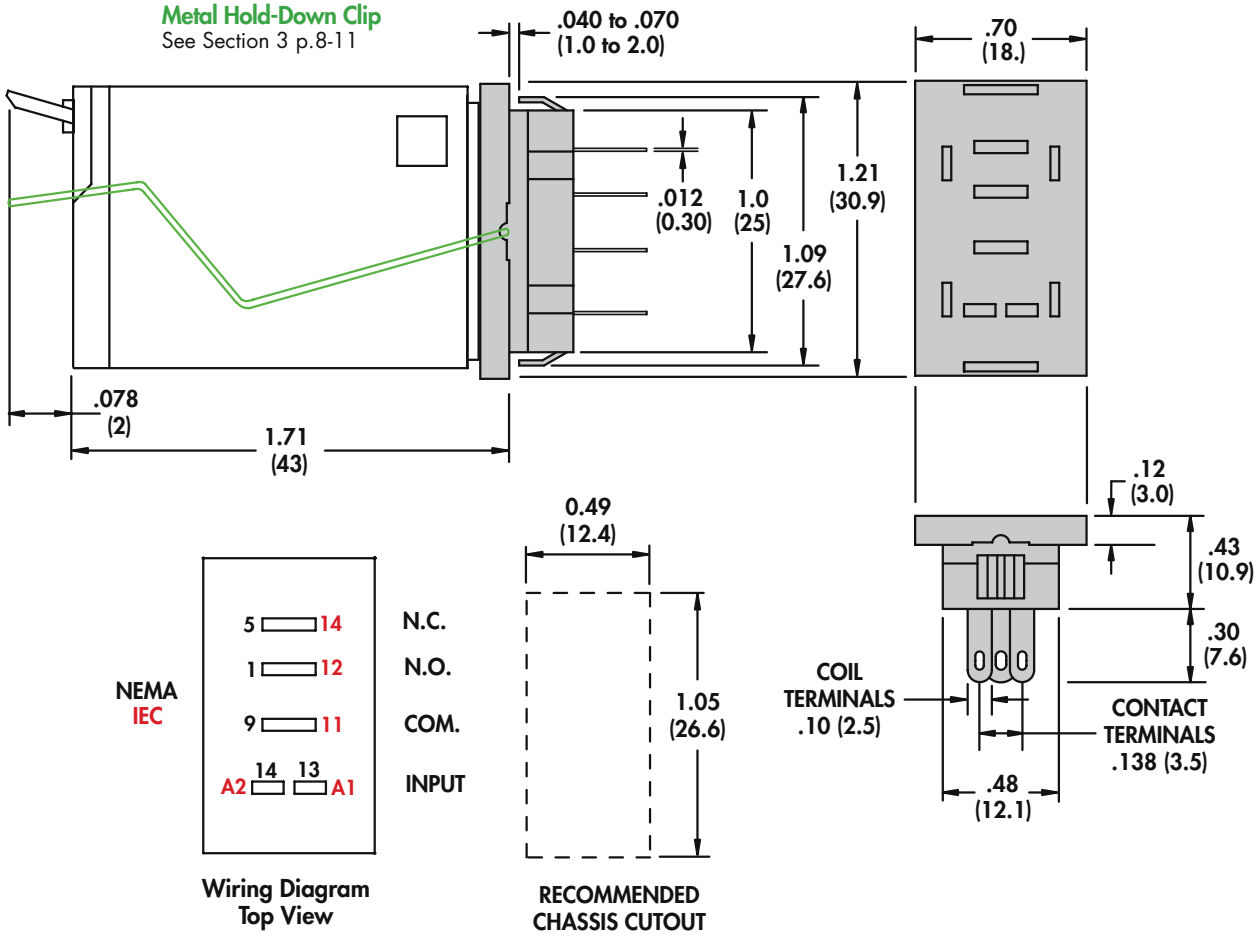
781 Relay



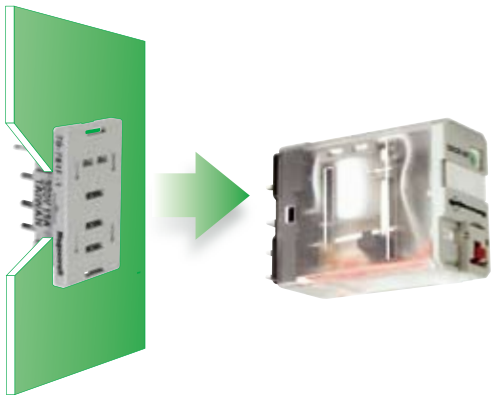
16-781SC

Standard Part Number	Description	Catalog Location
781	Relay	Section 1 p.10-11
16-781SC	Metal Hold-Down Clip	Section 3 p.8-11

16-781SC
Metal Hold-Down Clip
See Section 3 p.8-11



70-781T-1 Socket/15 Amp Rating, 300 Volts





Printed Circuit Board Mounting

UL Recognized File No. E70550 Certified 97899

BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

Standard Part Number	Description
70-781T-1	5-Pin, Printed Circuit Terminals

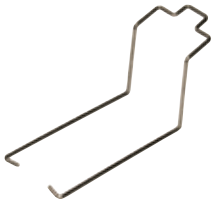
General Specifications (UL 508)

Characteristics	Units	Value
Number of Terminals		5
Electrical Rating		
Nominal Voltage Rating	Volts	300
Nominal Current Rating	Amps	15
Dielectric Strength		
Output to Input Terminals	V rms	2500
Temperature		
Operating Range:	°C	- 40 to + 80
Storage Range:	°C	- 40 to + 105
Construction		
Internal Metal Tracks		Copper Alloy, Tin Plated
Terminals		Copper Alloy, Tin Plated
Miscellaneous		
Socket Mounting:		Printed Circuit
Connection Method		Solder
Flamability Rating	Class	94V-0
Body Color		Light Gray
Product Certification		UL, CSA
Conformance		CE, RoHS
Weight	grams	18

Optional Mating Accessories

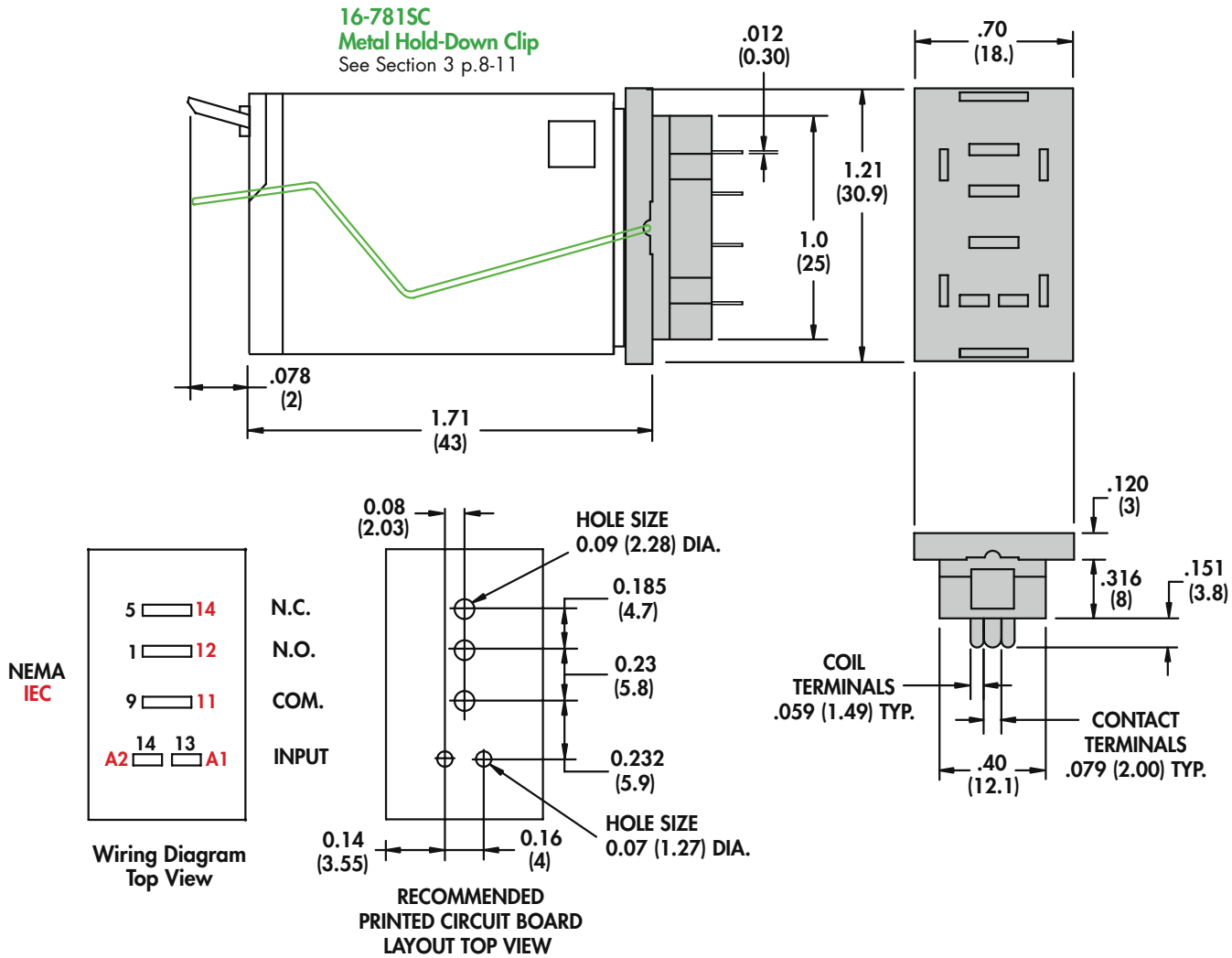


781 Relay

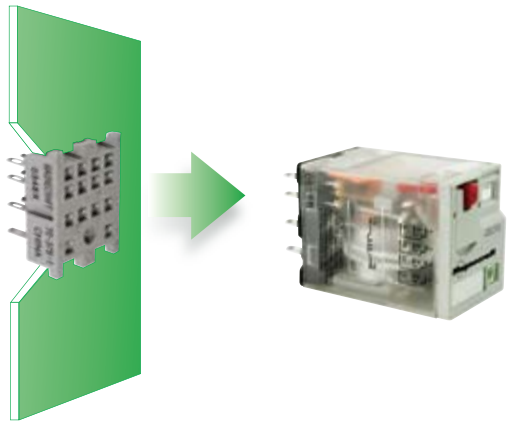


16-781SC

Standard Part Number	Description	Catalog Location
781	Relay	Section 1 p.10-11
16-781SC	Metal Hold-Down Clip	Section 3 p.8-11



70-378-1 Socket/5 Amp Rating, 120 Volts





Chassis Mounting

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File No. E70550

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97899

RoHS Compliant

BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

Standard Part Number	Description
70-378-1	14-Pin, Solder Terminals for Chassis mount

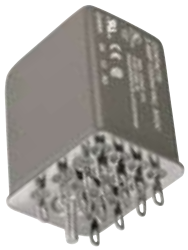
General Specifications (UL 508)

Characteristics	Units	Value
Number of Terminals		14
Electrical Rating		
Nominal Voltage Rating	Volts	120
Nominal Current Rating	Amps	5
Dielectric Strength		
Output to Input Terminals	V rms	1500
Output to Adjacent Output Terminals	V rms	1500
Temperature		
Operating Range:	°C	- 40 to + 80
Storage Range:	°C	- 40 to + 105
Construction		
Internal Metal Tracks		Copper Alloy, Zinc Plated
Terminals		Copper Alloy, Zinc Plated
Miscellaneous		
Socket Mounting:		Chassis
Wire Size Capacity (Maximum)	EN 60204-1	AWG mm2
Soild Cu (Output)	AWG, mm2	18 0.8
Stranded Cu (Output)	AWG, mm2	18 0.8
Wire Connection Method		Solder
Flamability Rating	Class	94V-0
Body Color		Light Gray
Product Certification		UL, CSA
Conformance		CE, RoHS
Weight	grams	6.2

Optional Mating Accessories







782 Relays



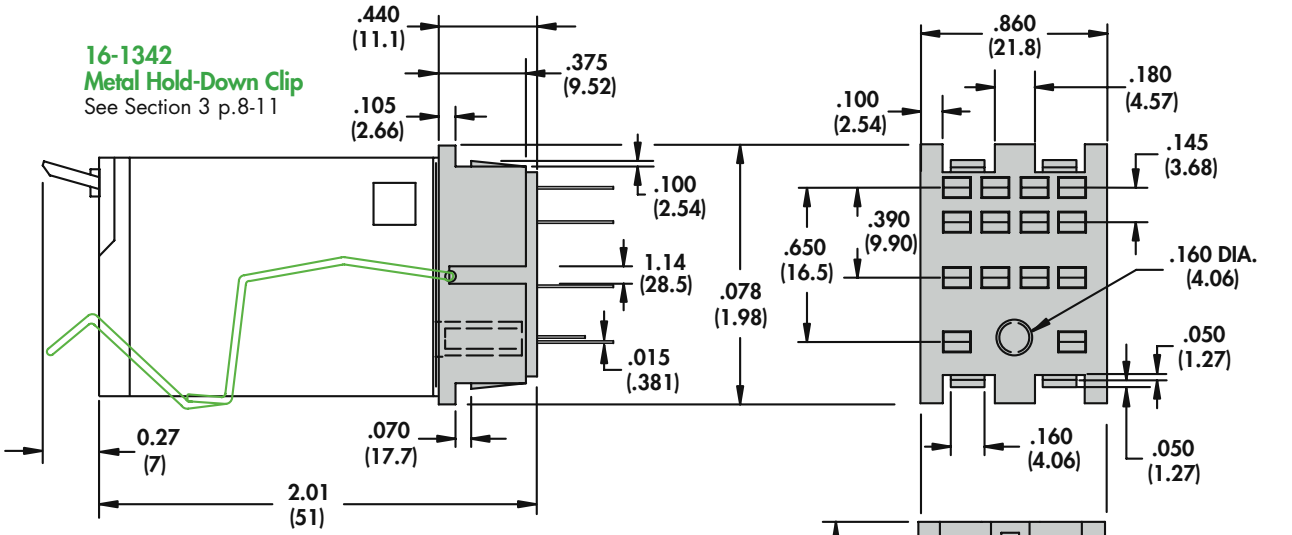
16-1324

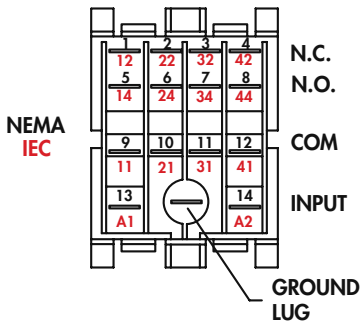


16-1342

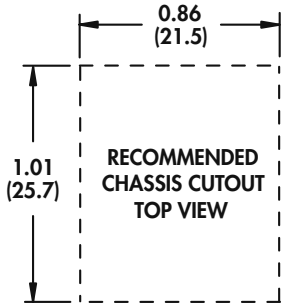
Standard Part Number	Description	Catalog Location
782XDX1, 2 3 & 782H	Relay	Section 1 p.18-19, 42-43
16-1324	Metal Hold-Down Clip, Front to Back Mount, 782 Plain Cover and Hermetic Relays Only	Section 3 p.8-11
16-1342	Metal Hold-Down Clip, Side Mount	Section 3 p.8-11
TDR782XDX	Relay	Section 5 p.14-17
16-TDR782SC	Metal Hold-Down Clip for TDR782	Section 3 p.8-11

16-1342
Metal Hold-Down Clip
See Section 3 p.8-11

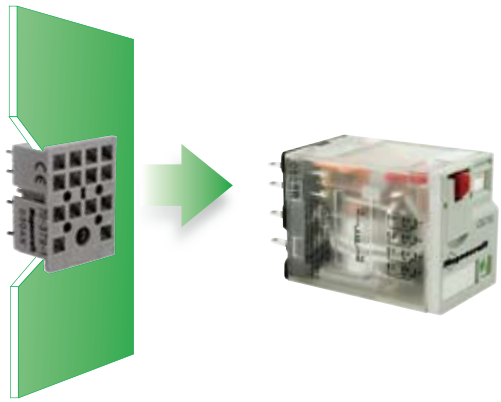


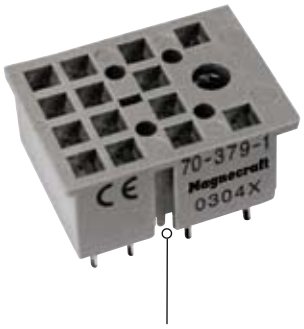


Wiring Diagram
Top View



70-379-1 Socket/5 Amp Rating, 120 Volts





Printed Circuit
Board Mounting

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RoHS Compliant

BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

Standard Part Number	Description
70-379-1	14-Pin, Printed Circuit Terminals

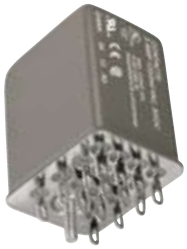
General Specifications (UL 508)

Characteristics	Units	Value
Number of Terminals		14
Electrical Rating		
Nominal Voltage Rating	Volts	120
Nominal Current Rating	Amps	5
Dielectric Strength		
Output to Input Terminals	V rms	1500
Output to Adjacent Output Terminals	V rms	1500
Temperature		
Operating Range:	°C	- 40 to + 80
Storage Range:	°C	- 40 to + 105
Construction		
Internal Metal Tracks		Copper Alloy, Zinc Plated
Terminals		Copper Alloy, Zinc Plated
Miscellaneous		
Socket Mounting:		Printed Circuit
Connection Method		Solder
Flamability Rating	Class	94V-0
Body Color		Light Gray
Product Certification		UL, CSA
Conformance		CE, RoHS
Weight	grams	5.8

Optional Mating Accessories



782 Relays



16-1342



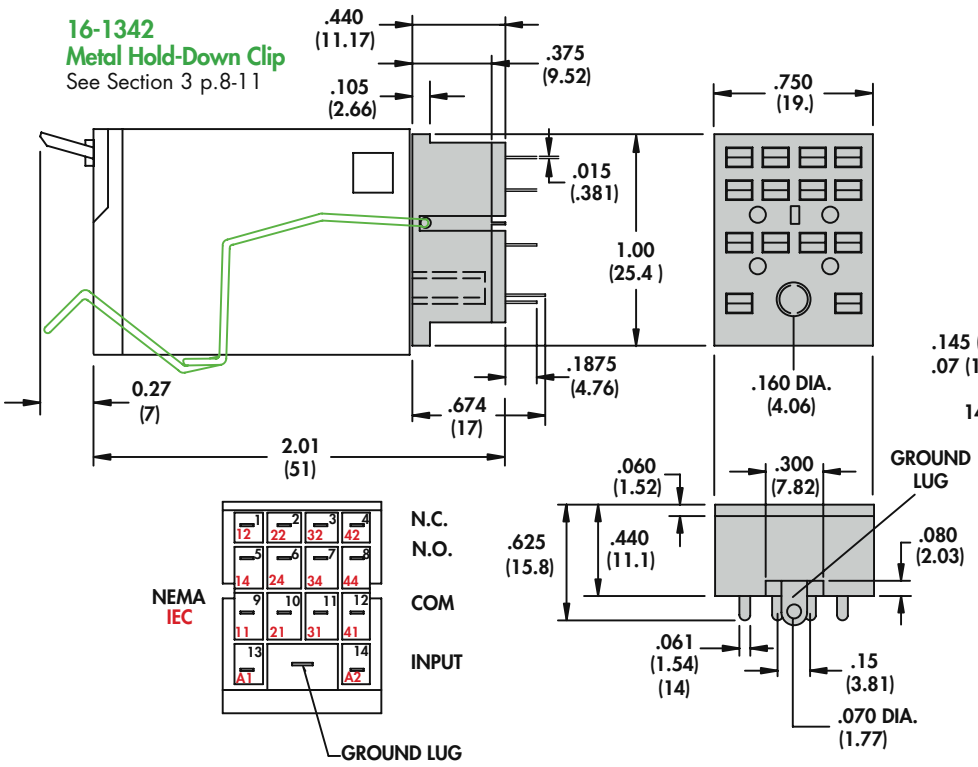
TDR782 Relay

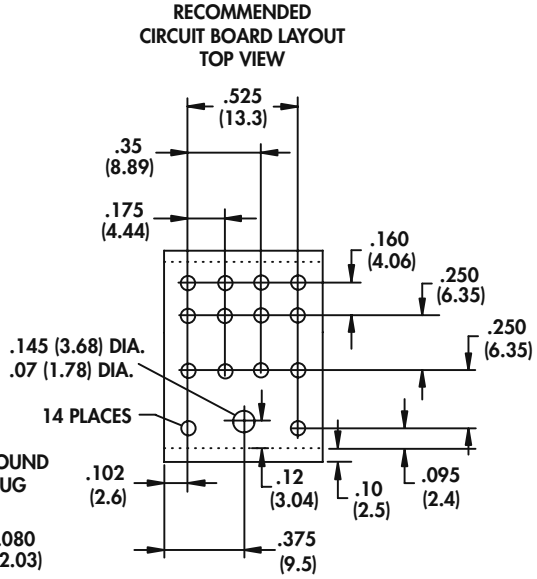


16-TDR782SC

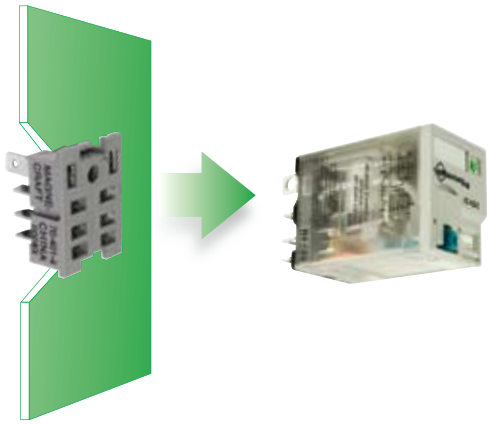
Standard Part Number	Description	Catalog Location
782XDX1, 2, 3 & 782H	Relay	Section 1 p.18-19, 42-43
16-1342	Metal Hold-Down Clip, Side Mount for 782	Section 3 p.8-11
16-TDR782SC	Metal Hold-Down Clip for TDR782	Section 3 p.8-11

16-1342
Metal Hold-Down Clip
See Section 3 p.8-11





70-401-1 Socket/10 Amp Rating, 300 Volts





Chassis Mounting

UL Recognized
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97899

BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

Standard Part Number	Description
70-401-1	8-Pin, Solder, Quick Connect Terminals for Chassis Mount.

General Specifications (UL 508)

Characteristics	Units	Value
Number of Terminals		8
Electrical Rating		
Nominal Voltage Rating	Volts	300
Nominal Current Rating	Amps	10
Dielectric Strength		
Output to Input Terminals	V rms	1500
Output to Adjacent Output Terminals	V rms	1500
Temperature		
Operating Range:	°C	- 40 to + 80
Storage Range:	°C	- 40 to + 105
Construction		
Internal Metal Tracks		Copper Alloy, Zinc Plated
Terminals		Copper Alloy, Zinc Plated
Miscellaneous		
Socket Mounting:		Chassis
Wire Size Capacity (Maximum)	EN 60204-1	AWG mm2
Soild Cu (Output)	AWG, mm2	18 0.8
Stranded Cu (Output)	AWG, mm2	18 0.8
Wire Connection Method		Solder
Flamability Rating	Class	94V-0
Body Color		Light Gray
Product Certification		UL, CSA
Conformance		CE, RoHS
Weight	grams	6.2

Optional Mating Accessories



782 Relays



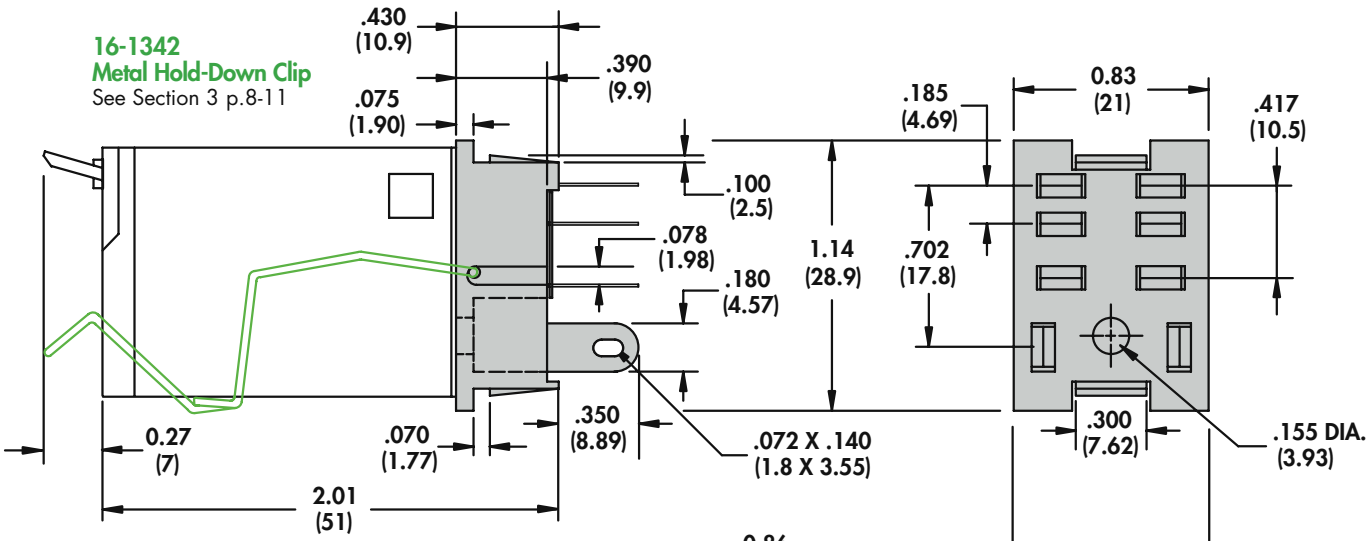
16-1324



16-1342

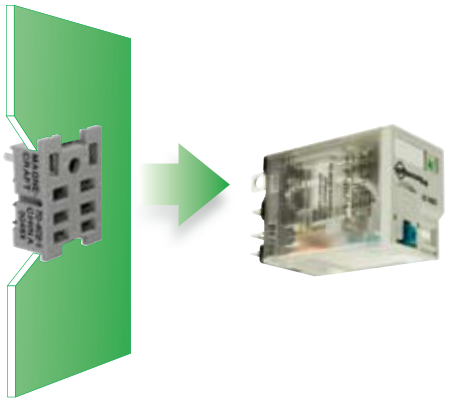
Standard Part Number	Description	Catalog Location
782XAX, XBX	Relay	Section 1 p.12-13
16-1324	Metal Hold-Down Clip, Front to Back Mount, 782 Plain Cover Relay Only	Section 3 p.8-11
16-1342	Metal Hold-Down Clip, Side Mount	Section 3 p.8-11

16-1342
Metal Hold-Down Clip
See Section 3 p.8-11



Wiring Diagram
Top View

70-402-1 Socket/10 Amp Rating, 300 Volts





Printed Circuit
Board Mounting

UL Recognized
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BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

Standard Part Number	Description
70-402-1	8-Pin, Printed Circuit Terminals

General Specifications (UL 508)

Characteristics	Units	Value
Number of Terminals		8
Electrical Rating		
Nominal Voltage Rating	Volts	300
Nominal Current Rating	Amps	10
Dielectric Strength		
Output to Input Terminals	V rms	1500
Output to Adjacent Output Terminals	V rms	1500
Temperature		
Operating Range:	°C	- 40 to + 80
Storage Range:	°C	- 40 to+ 105
Construction		
Internal Metal Tracks		Copper Alloy, Zinc Plated
Terminals		Copper Alloy, Zinc Plated
Miscellaneous		
Socket Mounting:		Printed Circuit
Connection Method		Solder
Flamability Rating	Class	94V-0
Body Color		Light Gray
Product Certification		UL, CSA
Conformance		CE, RoHS
Weight	grams	6.5

Optional Mating Accessories



782 Relays

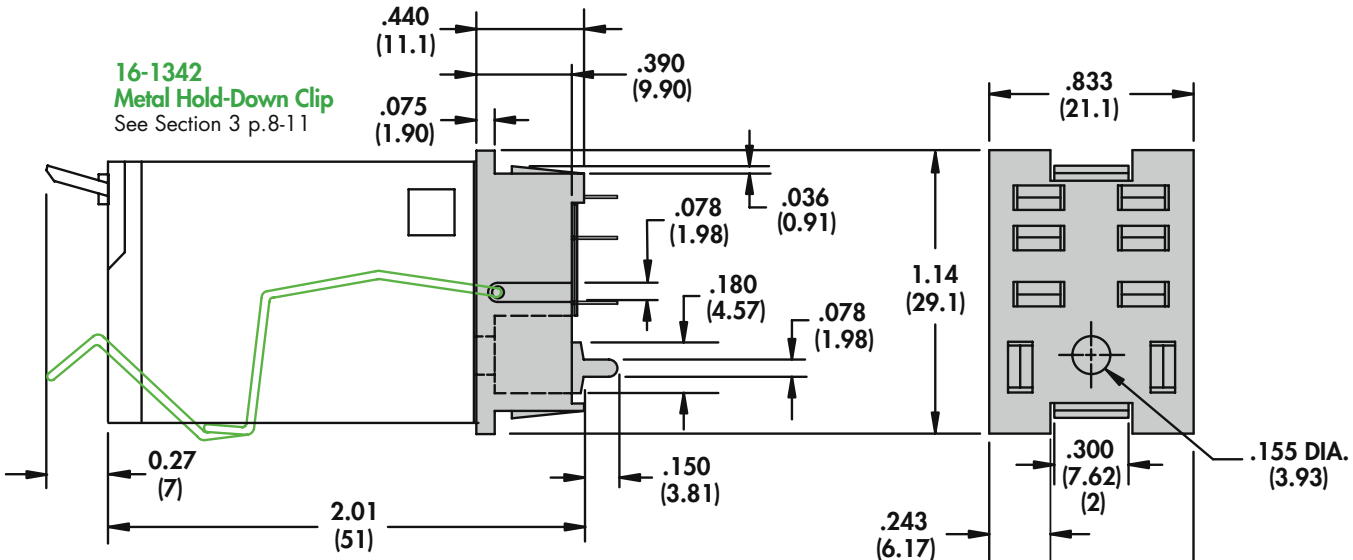


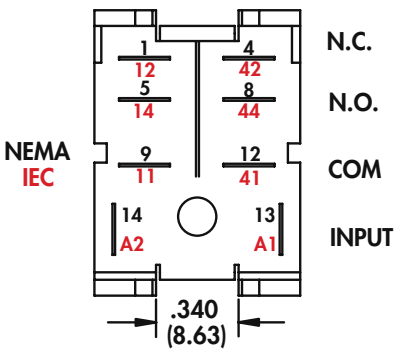
16-1324



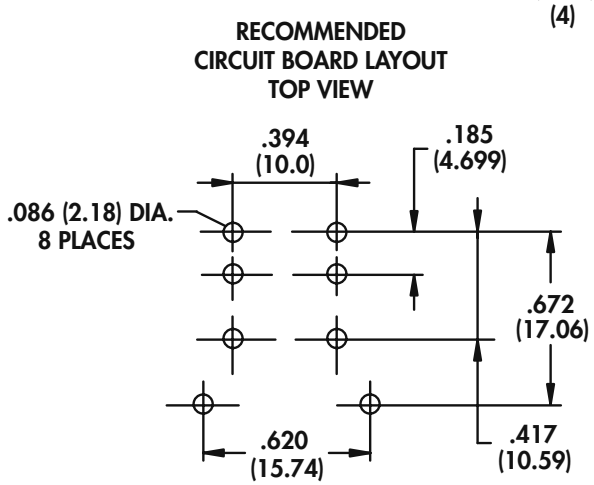
16-1342

Standard Part Number	Description	Catalog Location
782XAX, XBX	Relay	Section 1 p.12-13
16-1324	Metal Hold-Down Clip, Front to Back, 782 Plain Cover Relay Only	Section 3 p.8-11
16-1342	Metal Hold-Down Clip, Side Mount	Section 3 p.8-11

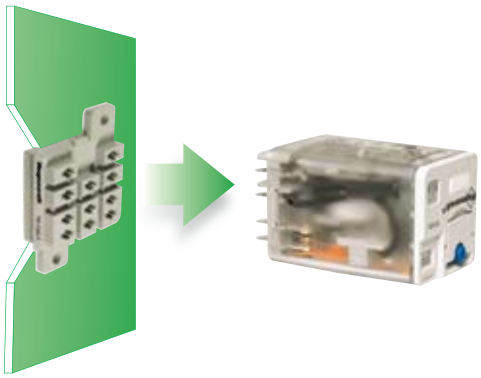


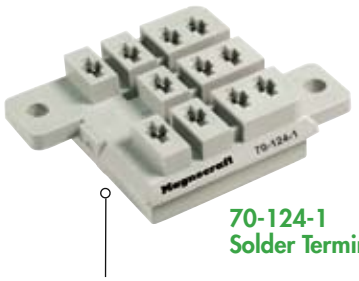


Wiring Diagram
Bottom View



70-124-1,2 Socket/15 Amp Rating, 300 Volts





70-124-1
Solder Terminals

Chassis Mounting



70-124-2
Quick Connect
Terminals

cULus UL Recognized File No. E70550

Certified 97899

CE

RoHS Compliant

BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

Standard Part Number	Description
70-124-1	11-Pin, 0.130 Solder terminals with mounting tabs.
70-124-2	11-Pin, 0.187 Quick Connect terminals with mounting tabs.

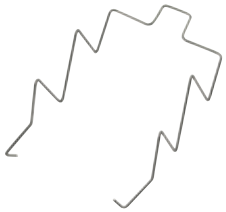
General Specifications (UL 508)

Characteristics	Units	Value
Number of Terminals		11
Electrical Rating		
Nominal Voltage Rating	Volts	300
Nominal Current Rating	Amps	15
Dielectric Strength		
Output to Input Terminals	V rms	2500
Output to Adjacent Output Terminals	V rms	2500
Temperature		
Operating Range:	°C	- 40 to + 80
Storage Range:	°C	- 40 to + 105
Construction		
Internal Metal Tracks		Copper Alloy, Nickel Plated
Terminals		Copper Alloy, Nickel Plated
Miscellaneous		
Socket Mounting:		Chassis
Wire Size Capacity (Maximum)	EN 60204-1	AWG mm2
Soild Cu (Output)	AWG, mm2	16 1.0
Stranded Cu (Output)	AWG, mm2	16 1.0
Wire Connection Method		Solder
Flamability Rating	Class	94V-0
Body Color		Light Gray
Product Certification		UL, CSA
Conformance		CE, RoHS
Weight	grams	12.1

Optional Mating Accessories

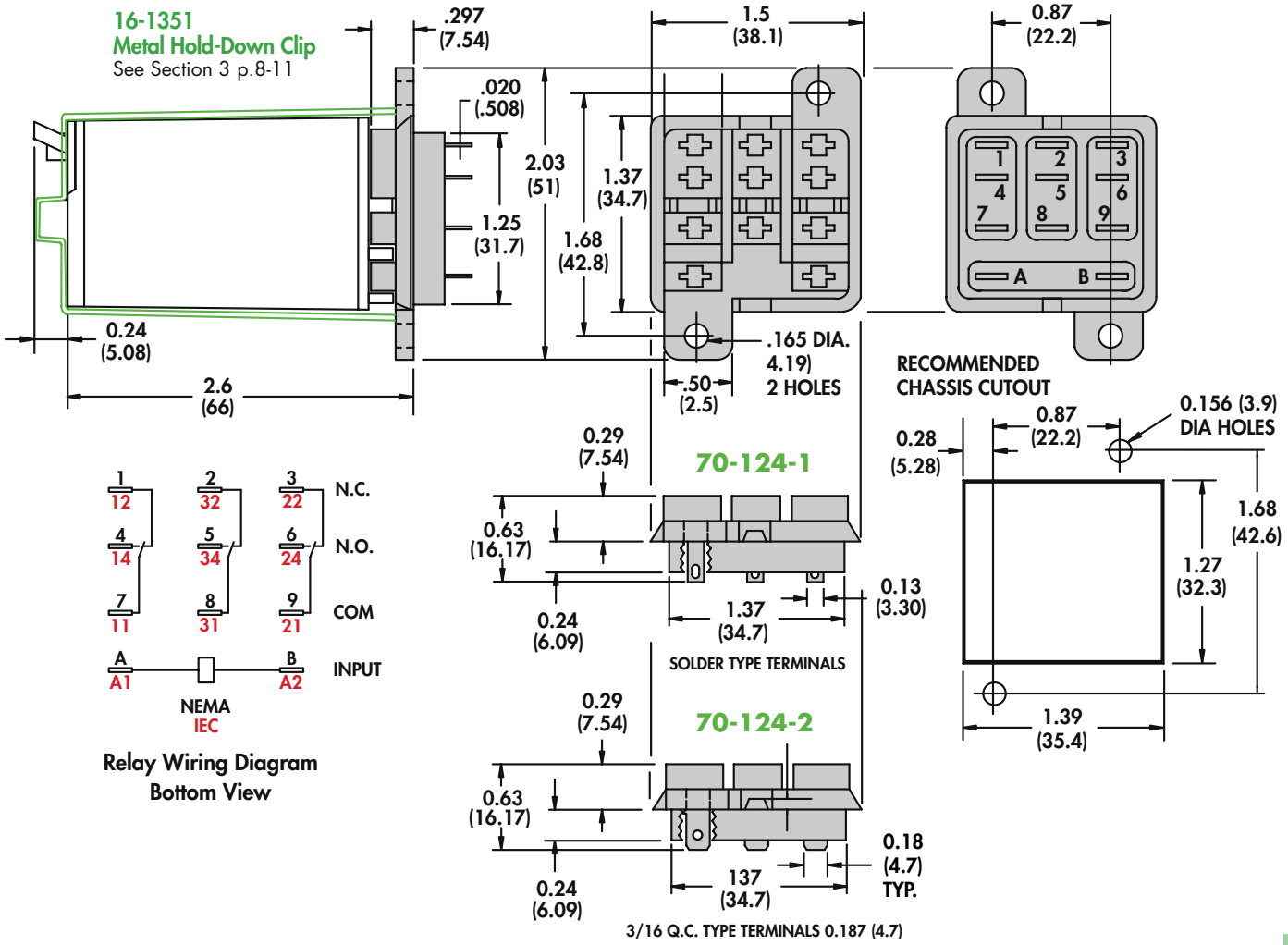


788 Relay

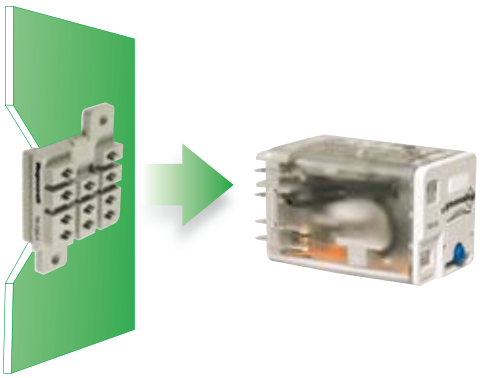


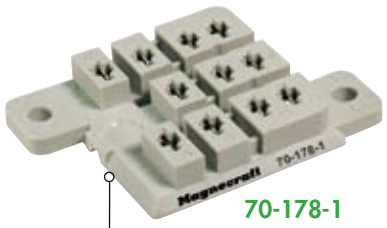
16-1351

Standard Part Number	Description	Catalog Location
788	Relay	Section 1 p.30-38
16-1351	Metal Hold-Down Clip used for 788, 711, 388J Relays	Section 3 p.8-11



70-178-1, 2 Socket/15 Amp Rating, 300 Volts





Printed Circuit
Board Mounting



cULus
UL Recognized
File No. E70550

Certified
97899

RoHS Compliant

BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

Standard Part Number	Description
70-178-1	11-Pin, Printed Circuit Terminals with Mounting Tabs
70-178-2	11-Pin, Printed Circuit Terminals without Mounting Tabs

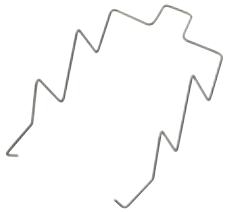
General Specifications (UL 508)

Characteristics	Units	Value
Number of Terminals		11
Electrical Rating		
Nominal Voltage Rating	Volts	300
Nominal Current Rating	Amps	15
Dielectric Strength		
Output to Input Terminals	V rms	2500
Output to Adjacent Output Terminals	V rms	2500
Temperature		
Operating Range:	°C	- 40 to + 80
Storage Range:	°C	- 40 to + 105
Construction		
Internal Metal Tracks		Copper Alloy, Nickel Plated
Terminals		Copper Alloy, Nickel Plated
Miscellaneous		
Socket Mounting:		Printed Circuit
Wire Size Capacity (Maximum)	EN 60204-1	AWG mm2
Soild Cu (Output)	AWG, mm2	16 1.0
Stranded Cu (Output)	AWG, mm2	16 1.0
Wire Connection Method		Solder
Flamability Rating	Class	94V-0
Body Color		Light Gray
Product Certification		UL, CSA
Conformance		CE, RoHS
Weight	grams	12.1

Optional Mating Accessories

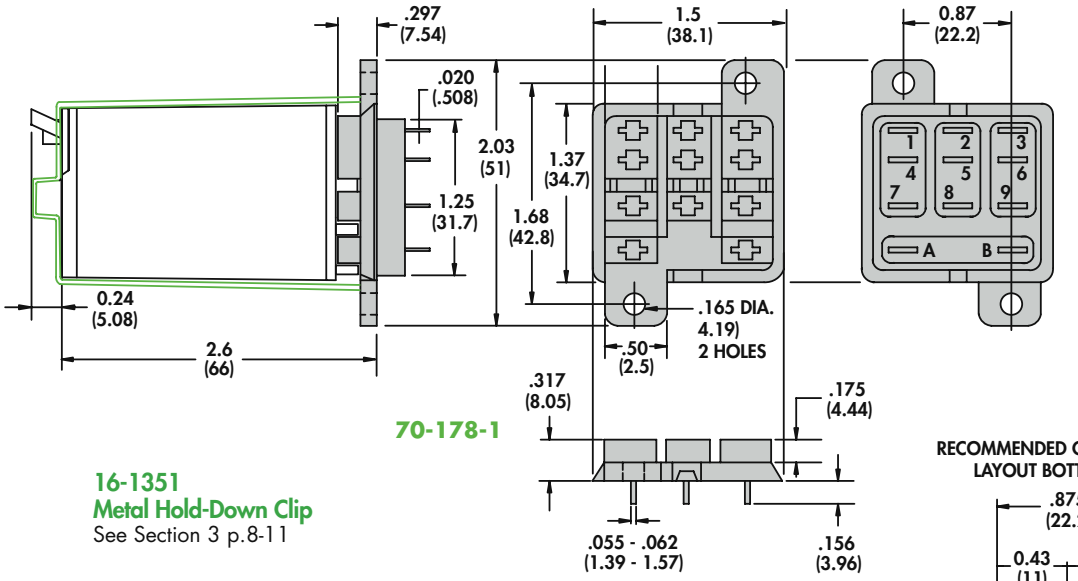


788 Relay

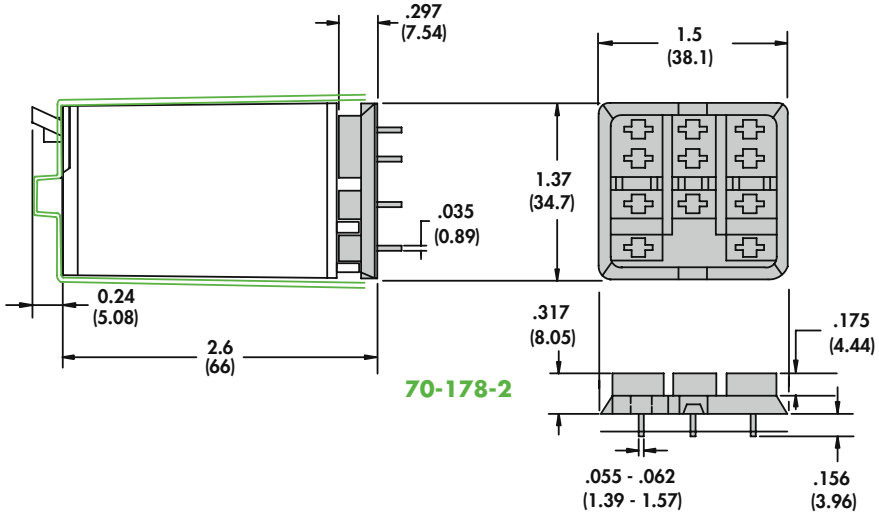


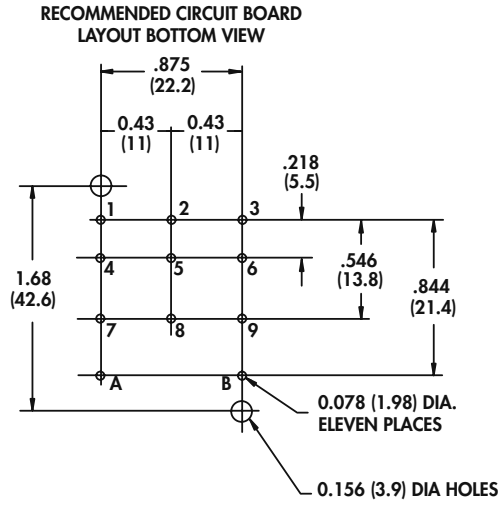
16-1351

Standard Part Number	Description	Catalog Location
788	Relay	Section 1 p.30-38
16-1351	Metal Hold-Down Clip used for 788, 711, 388J Relays	Section 3 p.8-11



16-1351
Metal Hold-Down Clip
See Section 3 p.8-11





Section 2 Cross Reference Guide

Magnecraft	Tyco/Potter & Brumfield	IDEC	Custom Connector	Omron
70-124-1	27E043	SR3B-51	CM11-SLD	
70-124-2	27E067		CM11-QDC	
70-169-1			RB08-PC	
70-170-1			RB11-PC	
70-178-1	27E046		CM11-PCB	PY14
70-178-2			CM11-PCB-1S	
70-378-1	27E488, 27E006	SY4S-51	MR14-SLD	PY14
70-379-1	27E031	SY4S-61	MR14-PCB	PY14-02
70-401-1		SH2B-51	GR108-SLD	PT08
70-402-1	27E489	SH2B-62	GR108-PCB	PT08-0
70-459-1	27E895, 27E487	SH2B-05	GT08-PC	PTF08A-E
70-461-1	27E894	SY4S-05	MT14-PC	PYF14A-E
70-463-1	27E893	SR3B-05	ST11-PC	
70-464-1	27E891, 27E122	SR2P-06	OT08-PC	PF083A-E
70-465-1	27E892	SR3P-06	OT11-PC	PF113A-E

Magnecraft	Tyco/Potter & Brumfield	IDEC	Custom Connector	Omron
70-750DL8-1		SR2P-05		
70-750DL11-1		SR3P-05		
70-750E8-1		SR2P-06		
70-750E11-1				
70-750EL8-1				
70-750EL11-1				
70-781D5-1A		SH1B-05		
70-781F-1		SH1B-51		
70-781T-1		SH1B-62		
70-782D8-1		SH2B-05		PTF08A-E
70-782D14-1			ES15/4	
70-782E14-1			ES15/4N	
70-782EL8-1		SM2S-05		
70-782EL11-1				
70-782EL14-1			ES15/4S	
70-783D11-1		SH3B-05		PTF11A-E
70-784D14-1		SH4B-05		PTF14A-E
70-788EL11-1				
16-700DIN	24A110, 24A06A	BND-1000		PFP-100N
16-DCLIP	24A0D1	BND-5		



Finder	Tyco/Shrack	Allen-Bradley	Relpol	Releco
92.33	RA78701	700-HN107		S5-L
	RM78700			
			GZU8	
			GZU11	
	RM78702			S5-PO
92.13				S5-P
94.24	RA78703	700-HN104	SU4L	S9-L
94.14	RA78702	700-HN105	SU4D	S9-P
		700-HN117		S7-L
96.12		700-HN118		S7-P
	TM78700	700-HN116	GZY2	
94.44			GZ14U	
92.43	RM78 705	700-HN127	GUC11	
94.44	90.16	700-HN125	GZU8	
		700-HN126	GZU11	

Finder	Tyco/Shrack	Allen-Bradley	Relpol	Releco
90.72	MT78745		PZ8	
90.73	MT78740		PS11, PZ11	
96.72 *		700-HN128	GZY2	
			GZ4	
94.84.3	PT78740		GZT4	
94.92.3	PT78722		GZM2	
			GZM3	
94.93.3	PT78742		GZM4	
96.74 *		700-HN139		
92.03				
62.1				

* Module foot print does not match Magnecraft style. Use magnecraft module if required.