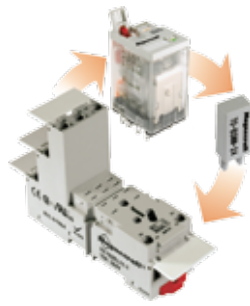## Advantages of a Finger-Safe, Ice Cube Socket System

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.

Modules
Allows for Optional Protection or LED Modules to be Used With 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.
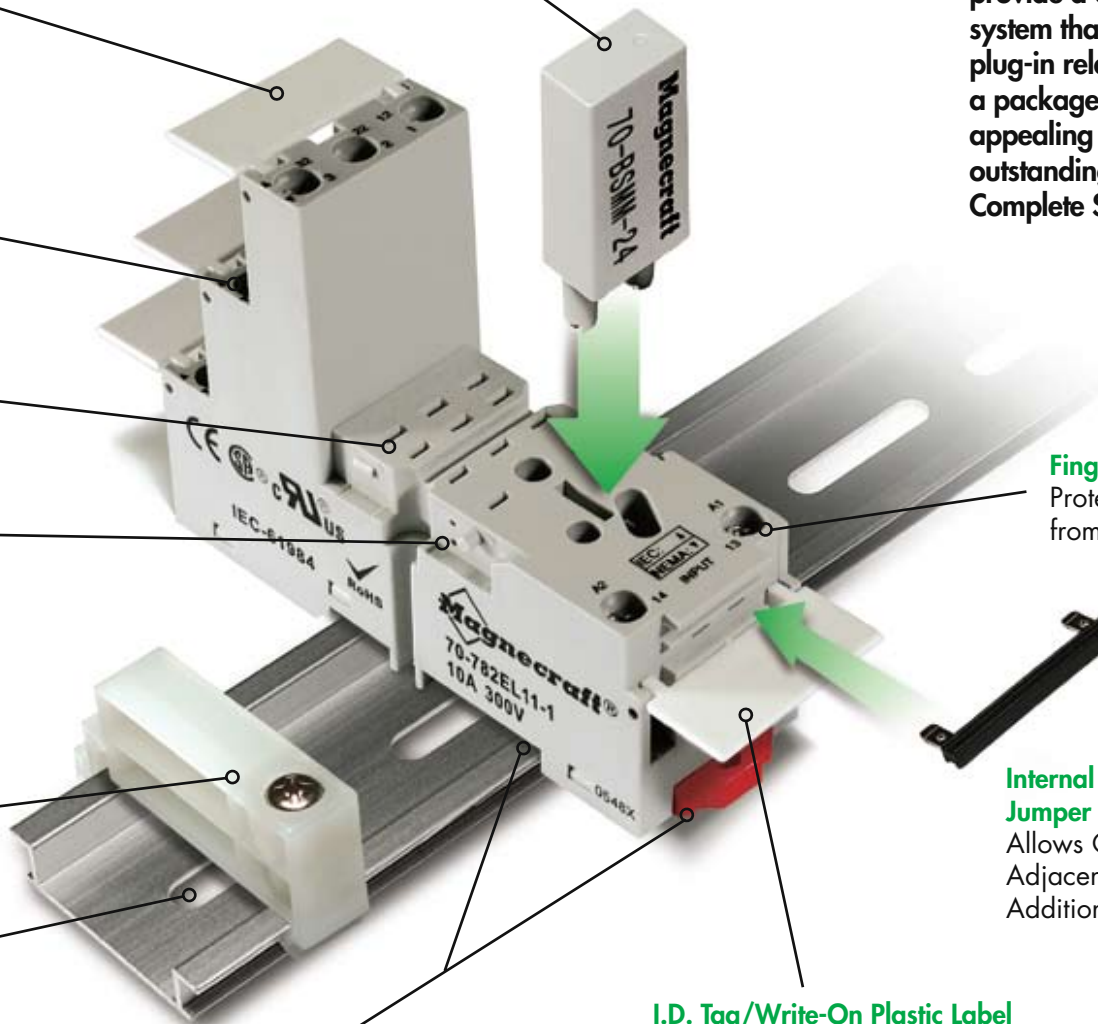
Finger-Safe
Protects Operators from Live Circuits.

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

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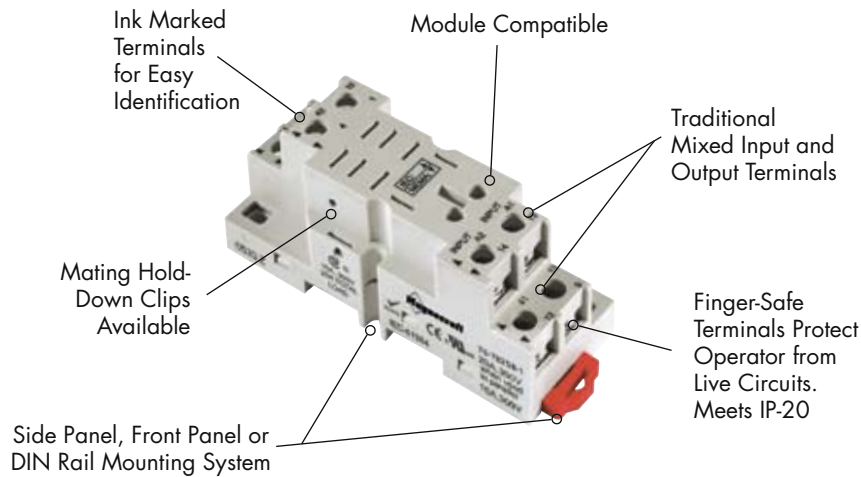Used for Identification of Relays in Multi-Relay Circuits.

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

70-782D8-1 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.

Ink Marked Terminals for Easy Identification

Module Compatible

Traditional Mixed Input and Output Terminals

Mating Hold-Down Clips Available

Finger-Safe Terminals Protect Operator from Live Circuits. Meets IP-20

Side Panel, Front Panel or DIN Rail Mounting System

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

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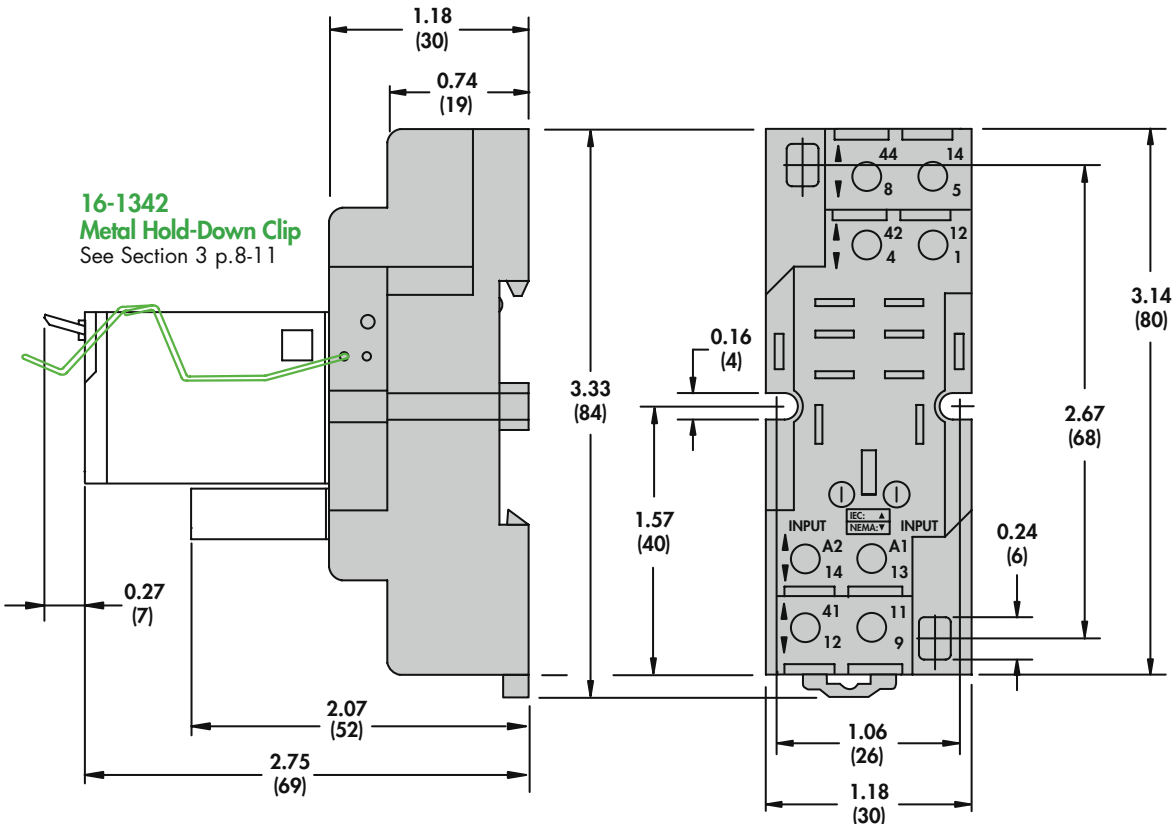
16-1342
Metal Hold-Down Clip
See Section 3 p.8-11

1.18 (30)
0.74 (19)
0.27 (7)
2.07 (52)
2.75 (69)
3.33 (84)
1.57 (40)
0.16 (4)
3.14 (80)
2.67 (68)
0.24 (6)
1.06 (26)
1.18 (30)

44 14
8   5
42 12
4   1

INPUT   INPUT
A2   A1
14   13
41   11
12   9

IEC:
NEMA: ▲

**Wiring Diagram
Top View**

44	14
8	5
42	12
4	1

4	1	N.C.
8	5	N.O.
12	9	COM
14	13	INPUT

MODULE INPUT

14   13   INPUT
A2   A1

12   9
41   11

NEMA
IEC