

## 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.



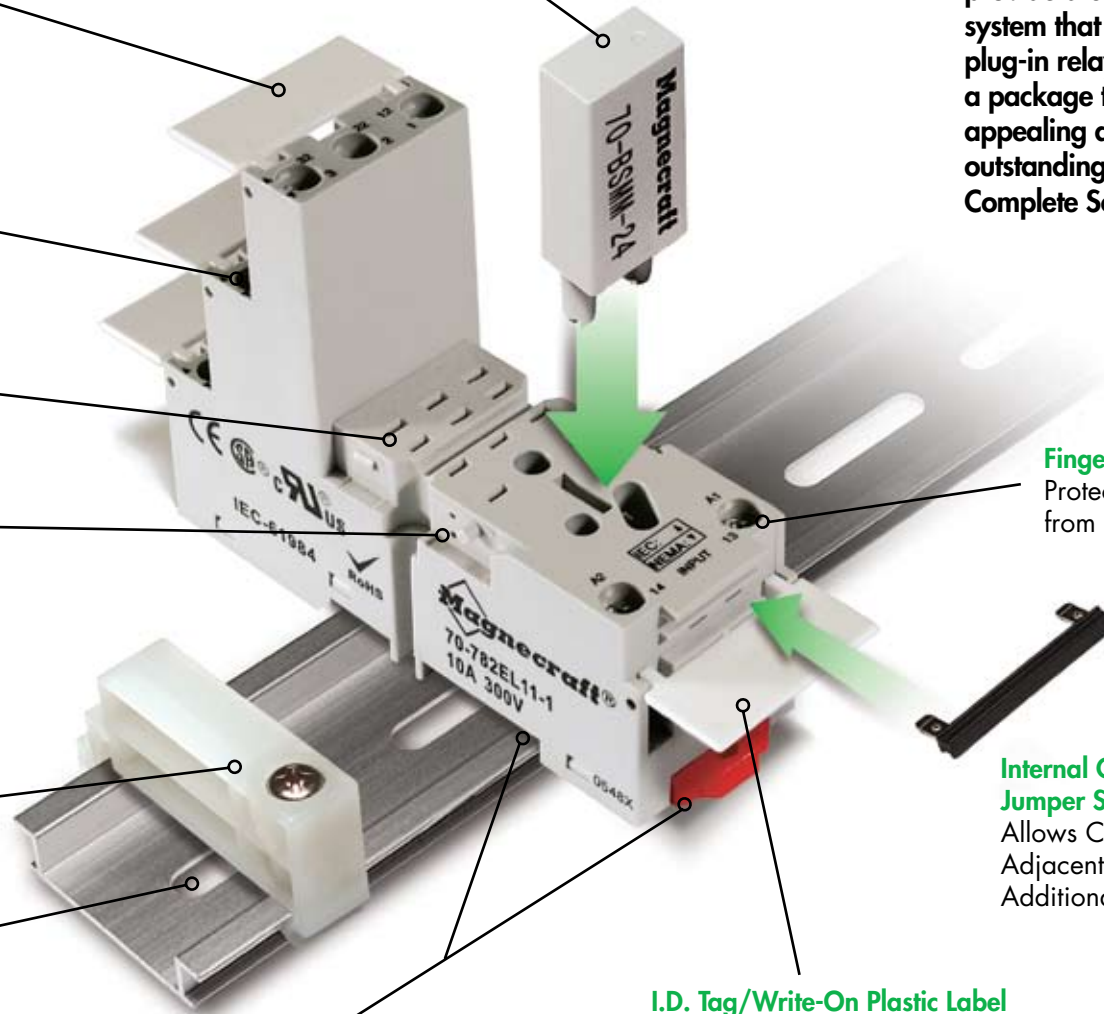
- Offers a “one stop solution” for your power management system.
- Variety of contact configurations and materials to meet your switching needs.
- Plug-In switching capabilities from 10mA to 20 Amps.
- A variety of Feature Codes and operation combinations available for all budgets.
- Ejector clips, ribbed 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.

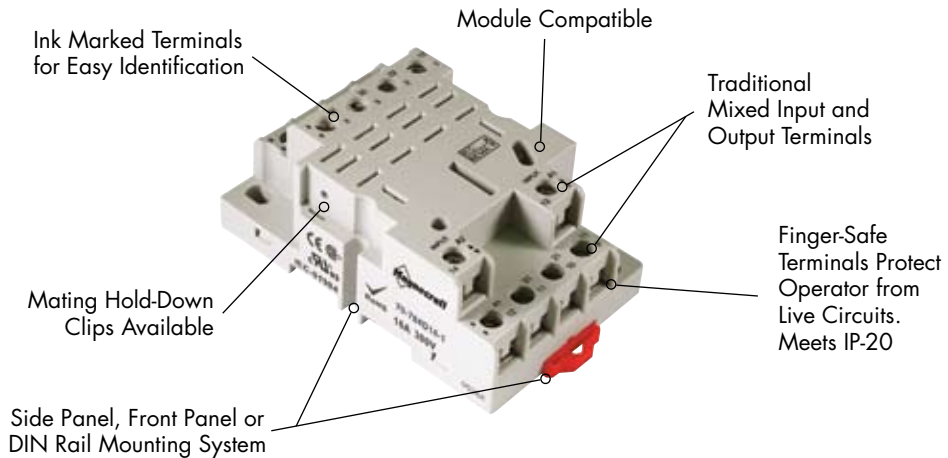
**2-Way Side or DIN Rail Mounting System**

Retrofits Existing Panel Mounting and 35 mm DIN Rail.



## 70-784D14-1 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.*



### BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

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



### General Specifications

Characteristics	Units	Value
Number of Terminals		14
<b>Electrical Rating</b>		
Nominal Voltage Rating	Volts	300
Nominal Current Rating	Amps	16
<b>Dielectric Strength</b>		
Output to Adjacent Output Terminals	V rms	2500
Output to Input Terminals	V rms	2500
Terminals to Rail / Chassis	V rms	2500
<b>Temperature</b>		
Operating Range:	°C	- 40 to + 80
Storage Range:	°C	- 40 to + 105
<b>Construction</b>		
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
<b>Miscellaneous</b>		
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



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
70-ASM	Module	Section 3 p.6-7
16-700DIN	Metal DIN Rail	Section 3 p.21
16-DCLIP-1	DIN Rail Locking Clip	Section 3 p.21

