# Advantages of a Full Featured 700 Series Relay

Since the launch of the 700 series relays in 2000, this product line has continuously evolved both functionally and visually. The 700 series product line has the perfect mix of historical Magnecraft relay quality combined with a dynamic arsenal of options. When mated with the Magnecraft sockets and accessories, these RoHs compliant relays provide a complete modular system that will meet all your plugin relay requirements in a package that is both visually appealing and functionally outstanding.

Offers a "one stop solution" for your power management

Several Contact configurations and materials to meet your

Plug-In switching capabilities from 10 mA to 20 Amps. Several Feature Code and

Operation combinations avail-

Ejector clips, ribbed relay hous-

ings and space-saving sockets

Color and appearance designed

for high visibility in all environ-

• Wiring diagrams include NEMA

Engineering availability allows

for customized relay solutions.

allow for easy removal from

system.

individual needs.

able for all budgets.

crowded DIN rails.

and IEC standards.

ments.

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### Removable Lock-Down Door

When Activated, Locks Push Button and Contacts in the ~ Powered Position.

Color-Coded Push Button \_\_\_\_\_ Allows Manual Operation of Relay. AC Coils Red or DC Coils Blue.

> Finger Grip Cover Easy Removal of -

Relay from Socket.

#### **Gold Flashed Contacts**

Prevents Premature Oxidation and Increases Shelf-life.



Contact Viewing Window -Shows Position of Contacts.

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

> Slim Design Minimizes Space on DIN Rail.

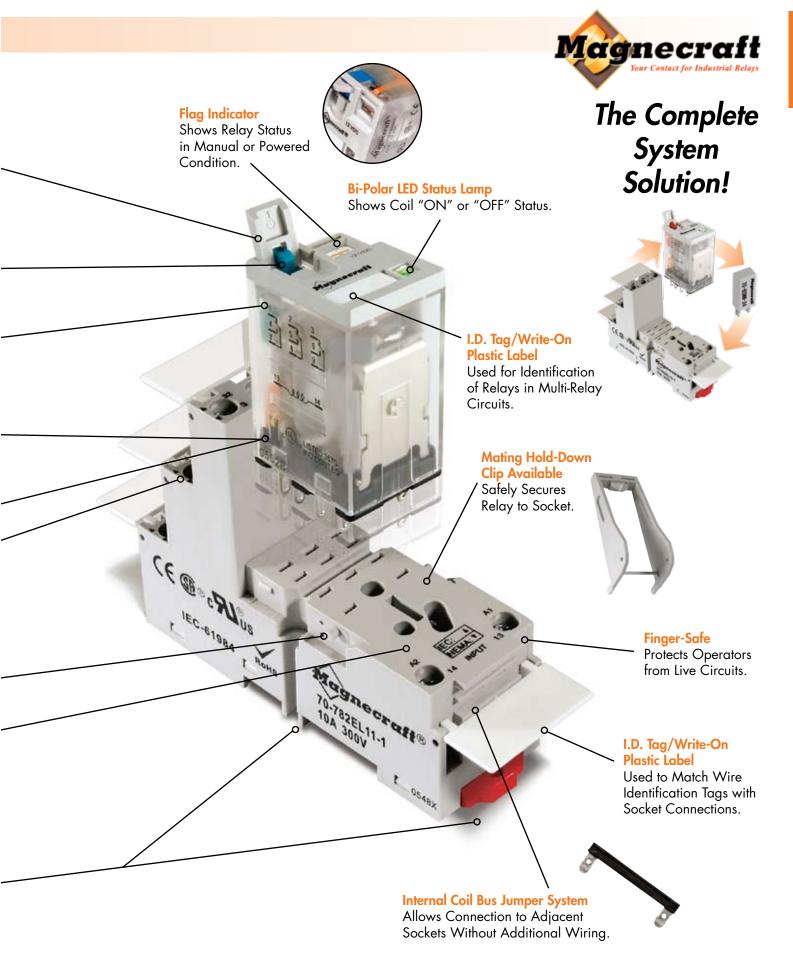


Module Compatible Allows for Optional Protection or LED Modules to be Used With Sockets.



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

www.magnecraft.com 847-441-2540



# Advantages of a Plain Cover 700 Series Relay

The Plain Cover Super Series relays support budget minded applications with premium performance. Maintaining the same ratings and internal components as the Full Feature Series; the Plain Cover Series perform as well as premium relays while maintaining low costs by offering several option configurations.

Finger Grip Cover Easy Removal of Relay from Socket.

**Contact Viewing Window** Shows Position of Contacts.



Gold Flashed Contacts — Prevents Premature Oxidation and Increases Shelf-life.

- Offers a "one stop solution" for your power management system.
- Several Contact configurations and materials to meet your individual needs.
- Plug-In switching capabilities from 10 mA to 20 Amps.
- Several Feature Code 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.

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



Slim Design \_\_\_\_\_ Minimizes Space on DIN Rail.

#### **Module Compatible**

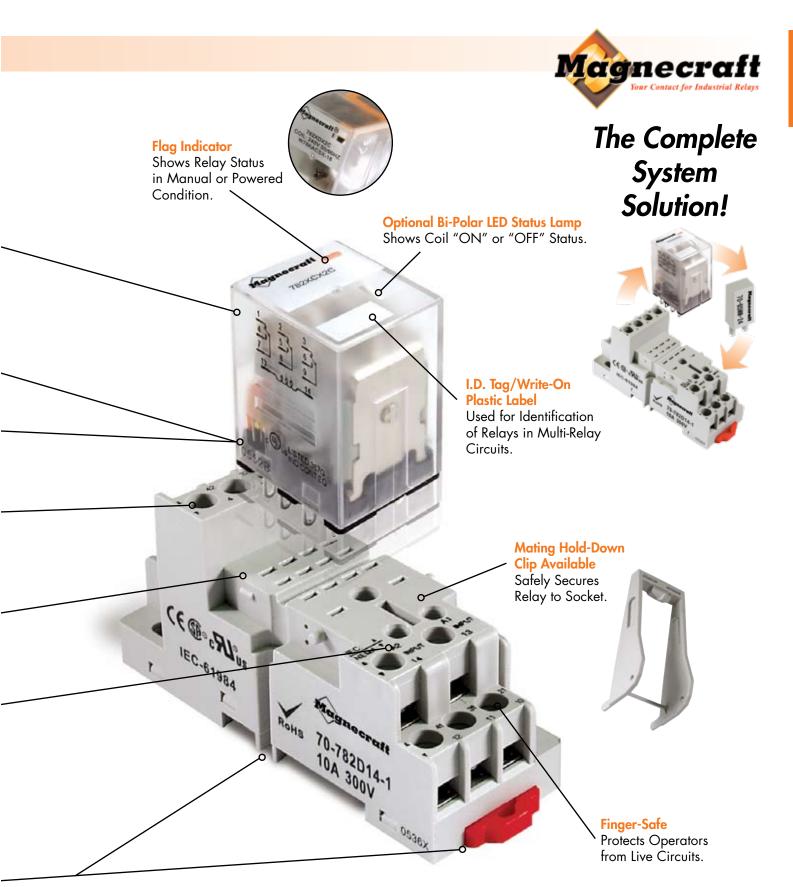
Allows for Optional Protection or LED Modules to be Used With Sockets.



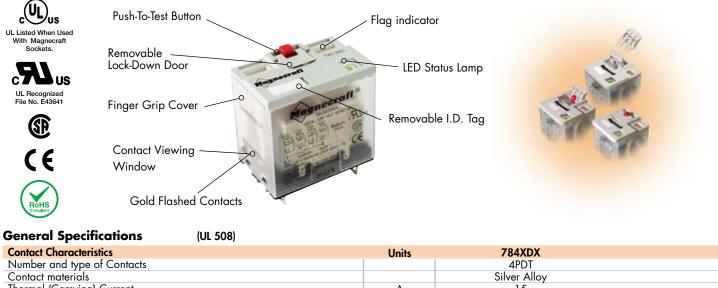
2-Way Side or DIN Rail Mounting System Retrofits Existing Panel Mounting and 35mm DIN Rail.

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# 784 Ice Cube Relays/4PDT, 15 Amp Rating (DC & AC)



				4101
Contact materials				Silver Alloy
Thermal (Carrying) Current			A	15
Maximum Switching Voltage			V	300
Switching Current @ Voltage		~	Resistive	15A @ 120V 50/60Hz
0		~	Resistive	12A @ 277V 50/60Hz
		=	Resistive	12A @ 28V
			HP	1/2 @ 120VAC
			HP	3/4 @ 250 VAC
			Pilot Duty	B300
Minimum Switching Requirement			mA	100 @ 5VDC (.5W)
Coil Characteristics				
Voltage Range		~	V	6240
			V	6125
Operating Range	% of Nominal	~		85% to 110%
				80% to 110%
Average consumption		~	VA	1.5
			W	1.5
Drop-out voltage threshold		~		15%
				10%
Performance Characteristics				
Electrical Life (UL508)	Operations @ Rated Current		(Resistive)	200,000
Mechanical Life	Unpowered			10,000,000
Operating time (response time)	•		ms	20
Dielectric strength	Between coil and contact	~	V(rms)	2500
-	Between poles	~	V(rms)	2500
	Between contacts	~	V (rms)	2500
Environment				
Product certifications	Standard version			UL, CSA, CE
Ambient air temperature	Storage		°C	-40+85
around the device	Operation		°C	-40+55
Vibration resistance	Operational		g-n	3, 10 - 55 Hz
Shock resistance	-		g-n	10
Degree of protection			-	IP 40
Weight			grams	80

1.6 (40.6)

> 1.1 (27.9)

0

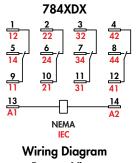
**Full Featured Dimensions** 

0.02

(0.5)

-0.187 (4.8)

0.26 (6.6)



0.27

(7)

1.54 (39.1)

Bottom View

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Downloaded from **Elcodis.com** electronic components distributor

1.1 (27.9)

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0

1.6 (40.6)

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**Plain Cover Dimensions** 

0.02

(0.5)

0.187 (4.8)

0.29

(7.4)

1.4 (35.5)

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**Plain Cover** 

Standard Part Numbers		BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED		
Nominal Voltage	Coil Resistance	4PDT Part Number	4PDT Part Number	
		(Full Feature) 15 Amp	(Plain Cover) 15 Amp	
AC Operated				
6 VAC 50/60 Hz	5.4 Ohms	784XDXM4L-6A	784XDXC-6A	
12 VAC 50/60 Hz	21.2 Ohms	784XDXM4L-12A	784XDXC-12A	
24 VAC 50/60 Hz	84.5 Ohms	784XDXM4L-24A	784XDXC-24A	
120 VAC 50/60 Hz	2220 Ohms	784XDXM4L-120A	784XDXC-120A	
220-230 VAC 50/60 Hz	7360 Ohms	784XDXM4L-220/230A	784XDXC-220/230A	
240 VAC 50/60 Hz	9120 Ohms	784XDXM4L-240A	784XDXC-240A	
DC Operated				
6 VDC	24 Ohms	784XDXM4L-6D	784XDXC-6D	
12 VDC	96 Ohms	784XDXM4L-12D	784XDXC-12D	
24 VDC	388 Ohms	784XDXM4L-24D	784XDXC-24D	
48 VDC	1550 Ohms	784XDXM4L-48D	784XDXC-48D	
110-125 VDC	7340 Ohms	784XDXM4L-110/125D	784XDXC-110/125D	

#### **Custom Relay Part Number Builder**

784	XDX		Т	M4L-	240A
Series	Contact Configuration	Cover Options	Terminal Style	Feature Options	Coil Voltage
784	XDX = 4PDT	Full Feature = No Code	Plug In = No Code	Side Push Button = M	VAC = 6 - 240A
		Plain Cover = C	PC terminal = T	Locking Push Button = M4	VDC = 6 - 125D
				Bi-Polar LED = L	

