Magnecraft General Purpose Relays

792 Control Series

DPDT 12 A; 4PDT 6 A and 3 A

UL listed when used with proper Magnecraft sockets

792 Clear Cover

792 Full-Feature Cover

Description

The 792 Plug-in Control relays offer clear or full-feature covers with multiple mounting options and accessories; 4PDT models save valuable space while adding increased functionality.

Feature	Benefit
12 A / 6 A / 3 A switching current	Ideal for various automation panels and controls
Clear or full-feature cover options	Full-feature covers include LED indicator and locking test button to facilitate maintenance and expedite commissioning
DPDT and 4PDT contact options	Simultaneously control 2 or 4 separate circuits
Socket mount option	Simplifies installation and maintenance while also allowing the use of protection modules, hold-down clips and other accessories
Gold-flashed contacts	Reduces contact oxidation and increases shelf life
Mechanical flag indicator	Standard feature that displays relay status during testing or operation without having to power the relay

Contact Rating	Contact Configuration	Nominal Coil Voltage	Coil Resistance (Ω)	Contacts	Part Number: Clear Cover	Part Number: Clear Cover with LED	Part Number: Full-Feature Cover
3 A	4PDT	12 Vac	44	Low Level Bifurcated	792XDX3C-12A	792XDX3CL-12A	792XDX3M4L-12A
		24 Vac	177		792XDX3C-24A	792XDX3CL-24A	792XDX3M4L-24A
		48 Vac	708		792XDX3C-48A	792XDX3CL-48A	792XDX3M4L-48A
		120 Vac	3630		792XDX3C-120A	792XDX3CL-120A	792XDX3M4L-120A
		240 Vac	17720		792XDX3C-240A	792XDX3CL-240A	792XDX3M4L-240A
		12 Vdc	160		792XDX3C-12D	792XDX3CL-12D	792XDX3M4L-12D
		24 Vdc	640		792XDX3C-24D	792XDX3CL-24D	792XDX3M4L-24D
		48 Vdc	2560		792XDX3C-48D	792XDX3CL-48D	792XDX3M4L-48D
		110 Vdc	13440		792XDX3C-110D	792XDX3CL-110D	792XDX3M4L-110D
12 A	DPDT	12 Vac	44	Standard	792XBXC-12A	–	792XBXM4L-12A
		24 Vac	177		792XBXC-24A	–	792XBXM4L-24A
		48 Vac	708		792XBXC-48A	–	792XBXM4L-48A
		120 Vac	3630		792XBXC-120A	–	792XBXM4L-120A
		240 Vac	17720		792XBXC-240A	–	792XBXM4L-240A
		12 Vdc	160		792XBXC-12D	–	792XBXM4L-12D
		24 Vdc	640		792XBXC-24D	–	792XBXM4L-24D
		48 Vdc	2560		792XBXC-48D	–	792XBXM4L-48D
		110 Vdc	13440		792XBXC-110D	–	792XBXM4L-110D
6 A	4PDT	12 Vac	44		792XDXC-12A	792XDXCL-12A	792XDXM4L-12A
		24 Vac	177		792XDXC-24A	792XDXCL-24A	792XDXM4L-24A
		48 Vac	708		792XDXC-48A	792XDXCL-48A	792XDXM4L-48A
		120 Vac	3630		792XDXC-120A	792XDXCL-120A	792XDXM4L-120A
		240 Vac	17720		792XDXC-240A	792XDXCL-240A	792XDXM4L-240A
		12 Vdc	160		792XDXC-12D	792XDXCL-12D	792XDXM4L-12D
		24 Vdc	640		792XDXC-24D	792XDXCL-24D	792XDXM4L-24D
		48 Vdc	2560		792XDXC-48D	792XDXCL-48D	792XDXM4L-48D
		110 Vdc	13440		792XDXC-110D	792XDXCL-110D	792XDXM4L-110D

Part Number Explanation

792 **XDX** **3** **M4L** - **24D**

Series:
792 = 792 Series Control Relay

Contact Configuration:
XBX = DPDT
XDX = 4PDT

Contact Code:
None = Standard 6–12 A Silver Alloy Contacts
3 = 3 A Bifurcated Contacts

Cover Options:
C = Clear Cover
CL = Clear Cover and LED
M4L = Locking Push Button and LED

Coil Voltages:
12–240A = 12–240 VAC
12–110D = 12–110 VDC

**Please contact Customer Service for more information (847-441-2540).*

Magnecraft General Purpose Relays

792 Control Series

DPDT 12 A; 4PDT 6 A and 3 A

Specifications

Part Number	792XBX
Contact Characteristics	
Terminal Style	Blade
Contact Material	Silver Alloy
Contact Configuration	DPDT
Maximum Switching Current	12 A
Maximum Switching Voltage	IEC: 250 Vac / 28 Vdc UL/CSA: 300 Vac / 30 Vdc
Rated Operational Current (Conforming to IEC AC-1 and DC-1)	NO: 12 A at 250 Vac, NC: 6 A at 250 Vac NO: 12 A at 28 Vdc, NC: 6 A at 28 Vdc
Rated Operational Current (Conforming to UL)	**Resistive:** 12 A at 277 Vac,100k cycles **Resistive:** 12 A at 120 Vac, 200k cycles **Resistive:** 12 A at 30 Vdc,100k cycles **Motor:** 1/2 HP at 120 Vac, 6k cycles **Motor:** 1 HP at 277 Vac, 6k cycles B300 PILOT DUTY, 6k cycles
Minimum Switching Requirement	10 mA at 17 Vdc
Coil Characteristics	
Maximum Operating Voltage	110% (AC / DC)
Maximum Pickup Voltage	80% (AC); 80% (DC)
Drop-out Voltage Threshold	15% (AC); 10% (DC)
Average Consumption	0.9–1.2 VA (AC); 0.8–1.1 W (DC)
General Characteristics	
Electrical Life at Rated Load	200,000 operations (where stated)
Mechanical Life (Unpowered)	10,000,000 operations
Operating Time	25 ms max. at 80% rated coil voltage 20 ms max. at 100% rated coil voltage
Release time	20 ms max. (DC) 35 ms max. (AC)
Impulse Withstand Voltage	4 kV (1.2 / 50 μs)
Dielectric Strength - Between Coil and Contact (AC)	2000 V(rms)
Dielectric Strength - Between Poles (AC)	2000 V(rms)
Dielectric Strength - Between Contacts (AC)	1300 V(rms)
Ambient Air Temperature around the Device - Storage	-40 to +85 °C (-40 to +185 °F)
Ambient Air Temperature around the Device - Operation	-40 to +55 °C (-40 to +131 °F)
Vibration Resistance - In Operation	3 g-n at 35–150 Hz
Vibration Resistance - Not Operating	5 g-n at 35–150 Hz
Shock Resistance - In Operation	10 g-n
Shock Resistance - Not Operating	30 g-n
Degree of Protection (Housing Only)	IP 40
Weight	37 g (1.31 oz)
Agency Approvals	UL with socket, UR (E164862), CE, CSA (225619), RoHS

Note: Actual product performance may vary depending on application and environmental conditions.