

Description

Legacy General Purpose Relays

792 Control Series

DPDT 12 A; 4PDT 6 A and 3 A



UL Listed when used with corresponding sockets



792 Clear Cover



792 Full-Feature Cover

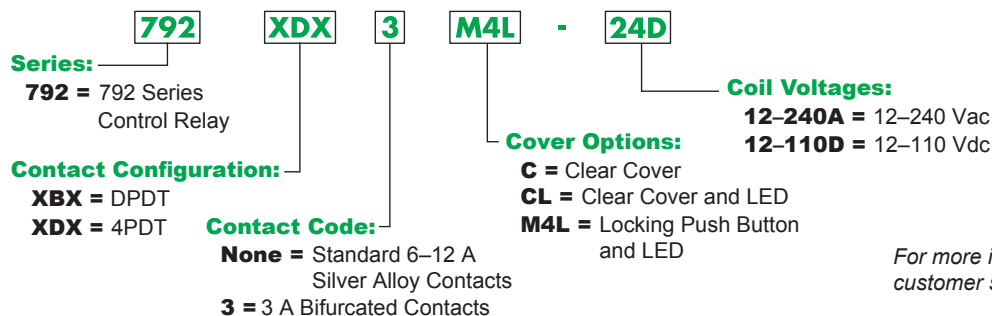
Description

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

Feature	Benefit
12 A / 6 A / 3 A switching current	Ideal choice for various automation panels and controls
Clear or full-feature cover options	Full-feature covers include an LED indicator and a locking test button to facilitate maintenance and speed up commissioning
DPDT and 4PDT contact options	Simultaneous control of 2 or 4 separate circuits
Socket-mounting option	Simplified installation and maintenance; use of protection modules, hold-down clips, and other accessories
Gold-flashed contacts	Reduced contact oxidation and increased shelf life
Mechanical flag indicator (standard)	Display of the status of an unpowered relay during testing or operation

Contact Rating	Contact Configuration	Nominal Coil Voltage	Coil Resistance (Ω)	Contacts	Part Number		
					Clear Cover	Clear Cover with LED	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	Standard	792XDXC-12A	792XDXCCL-12A	792XDXM4L-12A
		24 Vac	177		792XDXC-24A	792XDXCCL-24A	792XDXM4L-24A
		48 Vac	708		792XDXC-48A	792XDXCCL-48A	792XDXM4L-48A
		120 Vac	3630		792XDXC-120A	792XDXCCL-120A	792XDXM4L-120A
		240 Vac	17720		792XDXC-240A	792XDXCCL-240A	792XDXM4L-240A
		12 Vdc	160		792XDXC-12D	792XDXCCL-12D	792XDXM4L-12D
		24 Vdc	640		792XDXC-24D	792XDXCCL-24D	792XDXM4L-24D
		48 Vdc	2560		792XDXC-48D	792XDXCCL-48D	792XDXM4L-48D
		110 Vdc	13440		792XDXC-110D	792XDXCCL-110D	792XDXM4L-110D

Part Number Explanation



For more information, contact customer service (1-847-441-2540).

Specifications

Part Number		792XBX
Contact Characteristics		
Terminal Style		Blade
Contact Material		Silver Alloy
Contact Configuration		DPDT
Carrying Current		12 A
Maximum Switching Voltage		IEC: 250 Vac / 28 Vdc UL/CSA: 300 Vac / 30 Vdc
Rated Switching Current (Conforming to IEC AC-1 and DC-1)		N.O.: 12 A at 250 Vac, N.C.: 6 A at 250 Vac N.O.: 12 A at 28 Vdc, N.C.: 6 A at 28 Vdc
Rated Switching Current (Conforming to UL)	Resistive	12 A at 277 Vac, 100 k cycles 12 A at 120 Vac, 200 k cycles 12 A at 30 Vdc, 100 k cycles
	Motor	1/2 hp at 120 Vac, 6 k cycles 1 hp at 277 Vac, 6 k cycles
	B300 Pilot Duty	6 k cycles
	Minimum Switching Requirement	10 mA at 17 Vdc
Coil Characteristics		
Maximum Operating Voltage		110% (AC/DC)
Maximum Pickup Voltage		80% (AC/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 μ s)
Dielectric Strength	Between Coil and Contact (AC)	2000 V (rms)
	Between Poles (AC)	2000 V (rms)
	Between Contacts (AC)	1300 V (rms)
Ambient Air Temperature Around the Device	Storage	–40 to +85 °C (–40 to +185 °F)
	Operation	–40 to +55 °C (–40 to +131 °F)
Vibration Resistance	In Operation	3 gn at 35–150 Hz
	Not Operating	5 gn at 35–150 Hz
Shock Resistance	In Operation	10 gn
	Not Operating	30 gn
Degree of Protection (Housing Only)		IP40
Weight		37 g (1.31 oz)
Agency Approvals		UL with socket, UR (E164862), CE, CSA (LR44087), RoHS

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

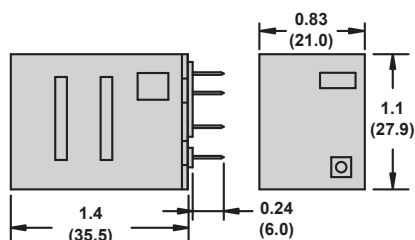
Specifications (continued)

Part Number		792XDX	792XDX3
Contact Characteristics			
Terminal Style		Blade	Blade
Contact Material		Silver Alloy	Bifurcated
Contact Configuration		4PDT	4PDT
Carrying Current		6 A	3 A
Load Type		Standard	Low Level
Maximum Switching Voltage		300 V	300 V
Rated Switching Current (Conforming to IEC AC1 and DC1)	250 Vac	N.O.: 6 A; N.C.: 3 A	N.O.: 2 A; N.C.: 1 A
	28 Vdc	N.O.: 6 A; N.C.: 3 A	N.O.: 2 A; N.C.: 1 A
Switching Current (Conforming to UL)	General Purpose	—	3 A at 240–277 Vac 3 A at 120 Vac
	Resistive	6 A at 277 Vac, 200 k cycles 8 A at 120 Vac, 200 k cycles 8 A at 30 Vdc, 200 k cycles	3 A at 30 Vdc
	Motor	1/3 hp at 120 Vac, 6 k cycles 1/2 hp at 277 Vac, 6 k cycles	1/16 hp (2.8 A FLA) at 120 Vac
	Pilot Duty	B300, 6 k cycles	5 A make, 0.5 A break, 3 A continuous at 120 Vac
Minimum Switching Requirement		10 mA at 17 Vdc	3 mA at 5 Vdc
Coil Characteristics			
Maximum Operating Voltage		110% (AC/DC)	
Maximum Pickup Voltage		80% (AC/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)	100,000 operations (general purpose load)
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		DC: 20 ms max. AC: 35 ms max.	
Impulse Withstand Voltage		2.5 kV (1.2 / 50 µs)	
Dielectric Strength	Between Coil and Contact (AC)	2000 V (rms)	
	Between Poles (AC)	1600 V (rms)	
	Between Contacts (AC)	1300 V (rms)	
Ambient Air Temperature Around the Device	Storage	–40 to +85 °C (–40 to +185 °F)	
	Operation	–40 to +55 °C (–40 to +131 °F)	
Vibration Resistance	In Operation	3 gn at 35–150 Hz	
	Not Operating	5 gn at 35–150 Hz	
Shock Resistance	In Operation	10 gn	
	Not Operating	30 gn	
Degree of Protection (Housing Only)		IP40	
Weight		37 g (1.31 oz)	
Agency Approvals		UL with socket, UR (E164862), CE, CSA (LR44087), RoHS	

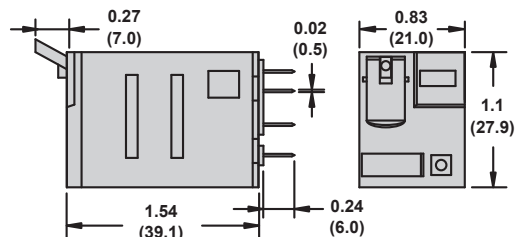
Note: Actual product performance may vary depending on the application and environmental conditions.

Dimensions, in. (mm)

Clear Cover Dimension

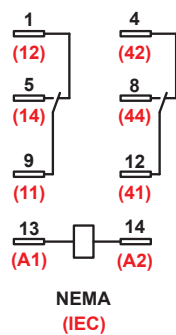


Full-Feature Cover Dimension



Wiring Diagrams

DPDT



4PDT

