Magnecraft Power Relays

Designed with heavy-duty contacts coupled with a specialized magnetic armature and coil to provide the necessary power handling, Magnecraft power relays easily handle current loads of 20–50 A and can also switch currents as low as 100 mA. With multiple features as well as panel and DIN mounting options, these relays offer the performance and flexibility needed to improve design, expedite installation, and simplify testing of your application.

Key Features

- Rated up to 50 A
- Socket compatible models available
- Blowout magnet options for high DC voltage switching
- Feature-rich covers, mounting options, and accessories to suit a multitude of applications

	Series	Style	Terminals	Contact Configuration	Contact Current Range (A)	Motor Load Ratings	Page
199 Series Relays	**199**	Open style	Screw	SPST, SPDT, DPST, DPDT	40 to 50	2 hp at 120 to 600 Vac 50/60 Hz	4
725 Series Relays	**725**	Plug-in, DIN and panel mount	Quick Connect and Screw	SPST-NO, DPST-NO	25 to 30	SPST: 1.5 hp at 120 Vac 50/60 Hz; 3.0 hp at 277 Vac 50/60 Hz DPST: 1.0 hp at 120 Vac 50/60 Hz; 2.0 hp at 277 Vac 50/60 Hz	9
389F Series Relays	**389F**	Ice cube plug-in and flange mount	Quick Connect	SPST, SPDT, DPDT, 3PDT	20 to 30	SPST/SPDT/DPDT: 1 hp at 120–200 Vac 50/60 Hz; 1.5 hp at 200–600 Vac 50/60 Hz; LRA/FLA: 98 A / 22 A at 120 Vac 50/60 Hz; 3PDT: 0.5 hp at 120–200 Vac 50/60 Hz;	14
300 Series Relays	**300**	Flange mount	Quick Connect	DPST-NO	30	1 hp at 120 Vac 50/60 Hz; 2 hp at 208–600 Vac 50/60 Hz	20
92 Series Relays	**92**	DIN and panel mount	Quick Connect	SPST-NO, DPST-NO	30	1 hp at 120 Vac 50/60 Hz; 3 hp at 240 Vac 50/60 Hz LRA/FLA: 96/22 A at 240 Vac (NO contacts, AC coil) 110/25 A at 240 Vac (NO contacts, DC coil)	23
9A Series Relays	**9A**	Panel mount	Quick Connect	SPST-NO	3 to 30	1 hp at 125 Vac 50/60 Hz; 2 hp at 240 Vac 50/60 Hz LRA/FLA: 98/22 A at 120 Vac 50/60 Hz (NO contact) 80/30 A at 240 Vac 50/60 Hz (NO contact) 30/12 A at 240 Vac 50/60 Hz (NC contact)	26

Magnecraft Power Relays

199

SPST-NO-DM, 40 A; SPDT, 40 A;
DPST-NO, 40 A; DPDT, 40 A*

199 Series Relay

Description

The 199 series open type, heavy duty power relays offer high-capacity switching with high dielectric strength.

Feature	Benefit
High-power contacts	Increased contact ratings (up to 50 A, 2 hp) and electrical endurance; suitable for high-power switching applications
Riveted construction	Helps to increase the mechanical life of the relay
Blowout magnet option	Helps to increase DC voltage switching up to 500 V
RoHS compliant	Environmentally friendly; complies with the European Restriction of Hazardous Substances directive

Rated Contact Current	Contact Configuration	Coil Voltage	Coil Resistance (Ω)	Special Features	Standard Part Number
40 A*	SPST-NO-DM	120 Vac	290		199ADX-4
		12 Vdc	70		199DX-2
		24 Vdc	290	Blowout Magnet	199DBX-3
					199DX-3
		48 Vdc	1200	Blowout Magnet	199DBX-16
	SPDT	120 Vac	290		199AX-4
		12 Vdc	70		199X-2
		24 Vdc	290		199X-3
	DPST-NO	120 Vac	290		199AX-9
		240 Vac	1200		199AX-10
		12 Vdc	70		199X-7
		24 Vdc	290		199X-8
	DPDT	24 Vac	12		199AX-13
		120 Vac	290	Blowout Magnet	199ABX-14
					199AX-14
		240 Vac	1200		199AX-15
		12 Vdc	70	Blowout Magnet	199BX-12
					199X-12
		24 Vdc	290	Blowout Magnet	199BX-13
					199X-13
		110 Vdc	6000	Blowout Magnet	199BX-14
					199X-14

Part Number Explanation

199 ABX - 14

Series:
199

Available Options:
A = AC coil
B = Blowout magnet
D = Double make
DY = Double break*
E = Pressure wire terminals*
M = Auxiliary switch*
X = Arbitrary

Configuration:
1-999 = Arbitrary

** 50 A versions and additional options available. Call Customer Service for more information (847-441-2540).*