

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 |

Description

Magnecraft Power Relays

199

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



199 Series Relay

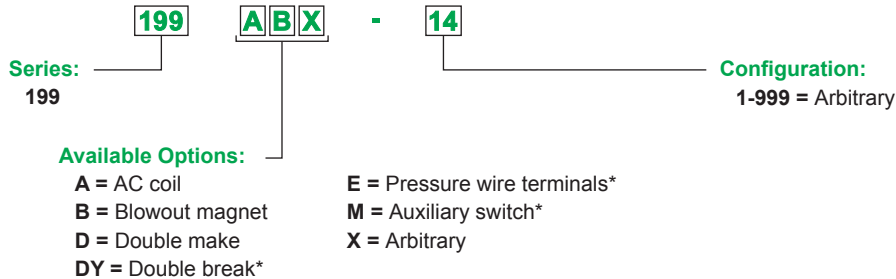
Description

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 |
| | | 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



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