

DC SWITCHING POWER RELAY

CLASS
199

CLASS 199B

- DPDT WITH MAGNETIC BLOWOUT FOR DC ARC QUENCHING
- 10 AMP @ 110 VDC
- MOLDED PLASTIC INSULATION
- SCREW TERMINALS
- CLASS "B" COIL INSULATION SYSTEM

SPECIFICATIONS CLASS 199

COIL

Pull-in Voltage: 80% DC Coils, 85% AC coils of nominal voltage or Less.
Dropout Voltage: 10% of Nominal Voltage or More.
Coil Resistance: $\pm 10\%$
Max. Coil Dissipation: 4 Watts DC Continuous Duty.

CONTACTS

Contact Combinations: DPDT (2 Form C)
Contact Rating each Pole: 30 Amps up to 300 VAC, 50/60Hz
5 Amps @ 480/600Vac, 0.75pF inductive Load. 1-1/2 Hp Motor Load (each Pole) @ 120 thru 600 Vac, 50/60 Hz. 2 Hp Motor Load @ 200 thru 600 Vac, 50/60 Hz only when using two pole to switch both sides of Load 30 Amps @ 28 Vdc Resistive Each Pole.

DC Ratings: 10 Amps @ 110 Vdc, Resistive; 4 Amps at 220 Vdc, Resistive, 2 Amps @ 325Vdc Resistive. Inductive Loads must be current limited as not to exceed 50 Amp inrush Currents.

Contact Material: Silver Cadmium Oxide, Gold Flashed. 5/16" Diameter Standard.

TIMING

Operate time: 40 Milliseconds Max. @ Nominal V
Release Time: 30 Milliseconds Max. @ Nominal V

DIELECTRIC STRENGTH

Between Open Contacts: 1500 V rms
Mutually Insulated
Conductive elements: 2200 V rms

TEMPERATURE

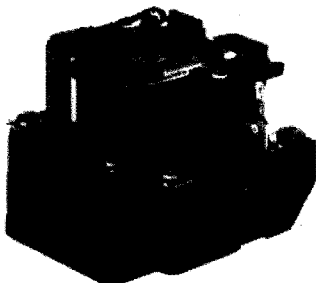
Operating: -30°C to +50°C (for AC) to +60°C (DC)
Storage: -30°C to +100°C

LIFE

Electrical (Rated Load) 100,000 Operations
Mechanical (No Load) 5,000,000 Operations

MISCELLANEOUS

Coil Terminals: 6-32 Binder Head Screws
Contact Terminals: 8-32 Binder Head Screws
Insulation Material: Moving Contacts Barrier - Molded thermoset Plastic.
Weight: 11 oz. - 312 Grams approx.. (DPDT)



Magnecraft PART NUMBER	COIL Measured @ 25°C		
	NOMINAL INPUT VOLTAGE	NOMINAL RESIS- TANCE (OHMS)	NOMINAL POWER
AC OPERATED (DPDT WITH BLOW OUT MAGNET)			
W199ABX-14	120 VAC	-	10 VA
DC OPERATED (DPDT WITH BLOW OUT MAGNET)			
W199BX-14	110 VDC	6000	2.0 W

OTHER COIL VOLTAGES ARE AVAILABLE ON SPECIAL ORDER.

DPDT (2 FORM C WITH BLOWOUT MAGNET) OUTLINE DIMENSIONS Dimensions shown in Inch & (Millimeters)

