## K Series, Rated up to 200 Amps, 28 Vdc

### Product Facts

- **Among the smallest and lightest 200 A aerospace-quality contactors available**
- **High-quality materials to help withstand harsh environments**
- **Environmentally sealed**
- **-55° to +85°C temperature range**
- **Shock and vibration resistant**
- **SPST, normally open**
- **28 Vdc**
- **200 A make/carry/break**
- **1200 A inrush**
- **2000 A maximum interrupt**
- **Electronically economized to reduce power**

### Standards/Specifications

**MIL-PRF-6106P** — General Performance Specification for Electromechanical Relays

**MIL-STD-202H** — Test Method for Electronic and Electrical Component Parts

**RTCA/DO-160F** — Environmental Conditions and Test Procedures for Airborne Equipment



### Performance Data

#### Electrical Characteristics

**Main Contacts** — 28 VDC SPST Normally Open, Double Make

**Auxiliary Contacts** — two-pole, double-throw

**Economizer** — Electronically controlled

**Full Rupture Capability** — 2000 A (50 cycles per MIL-PRF-6106)

**Electrical Life** —
Full Rated Resistive Load — 50,000 cycles
25% Rated Resistive Load — 100,000 cycles

**Altitude** — 50,000 feet max.

**Current** — Resistive Load: 200 A
Motor Load — 1200 A/200 A (inrush/carry)
Rupture: 2000 A

#### General Characteristics

**Operating Temperature** — 55°C to +85˚C

**Weight** —
K200A1C: 0.33 lbs (150 g)
K200B1C: 0.29 lbs (132 g)
K200A3C: 0.43 lbs (195 g)
K200B3C02: 0.40 lbs (181 g)

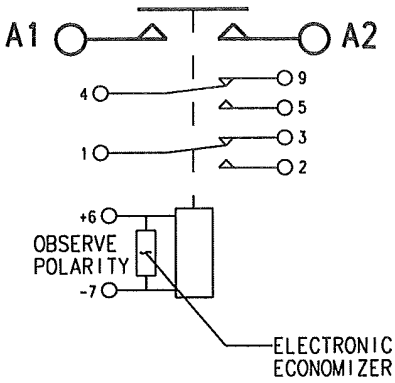
#### Coil Characteristics

**Nom. Operate Voltage** — 28 Vdc
Pickup Voltage — 18 Vdc max.
Drop Voltage — 1–9 Vdc
Pickup Time — 15 ms
Dropout Time — 15 ms

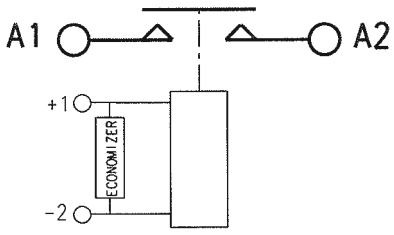
**Coil Current** —
Inrush — 5 A max. at 28 Vdc and 25°C
Holding — 300 mA max. at 28 Vdc and 25°C
Suppression — 45 Vdc

### Circuit Configurations

(Consult factory for other available circuit configurations)




Circuit Configuration 1



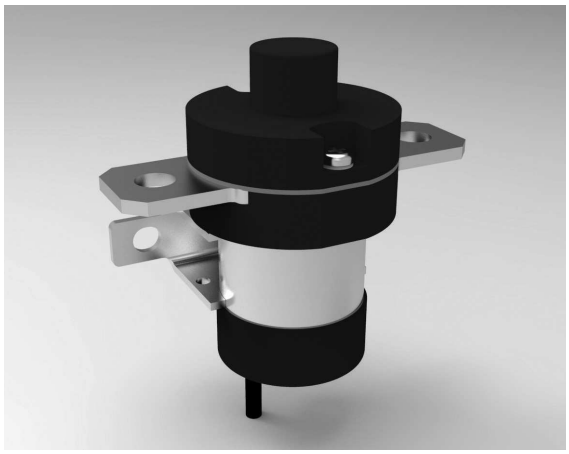

Circuit Configuration 2

| Model | Mounting | Aux. Contacts | Part No. |
|---|---|---|---|
| K200A1C | Chassis | No | 5-1616970-9 |
| K200A3C | Chassis | Yes | 8-1616977-1 |
| K200B1C | Bus Bar | No | 6-1616970-0 |
| K200B3C02 | Bus Bar | Yes | 4-1616968-7 |

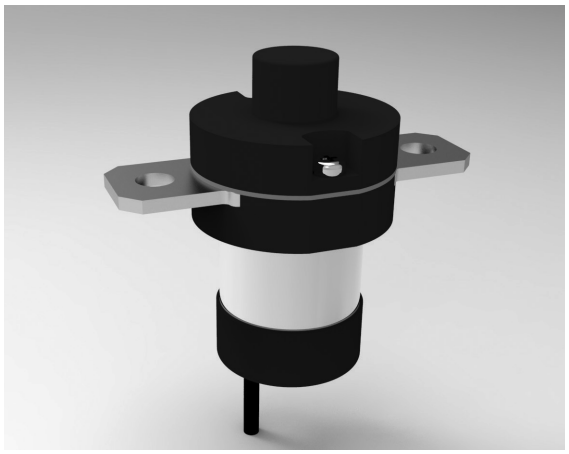
For factory-direct application assistance, phone 419-521-9500 or fax 419-526-2749.

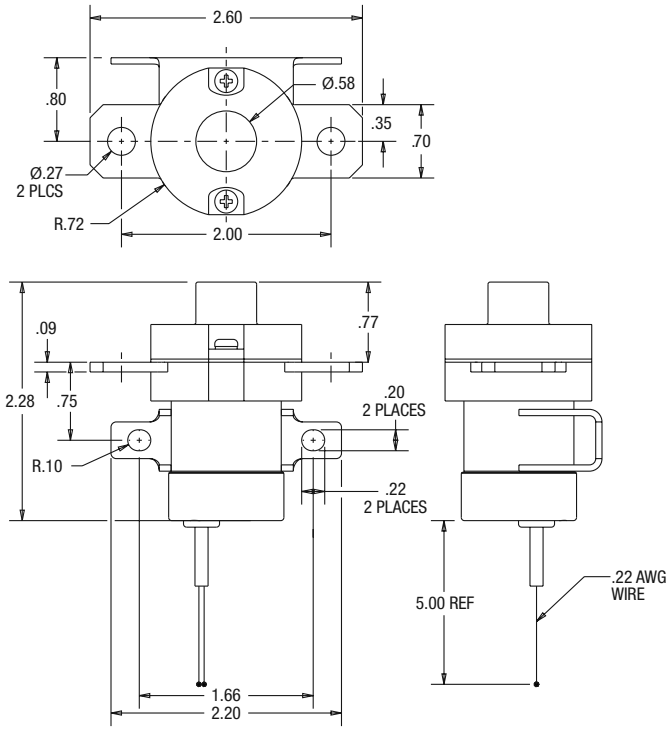
## K200 Series, Rated up to 200 Amps, 28 Vdc (Continued)

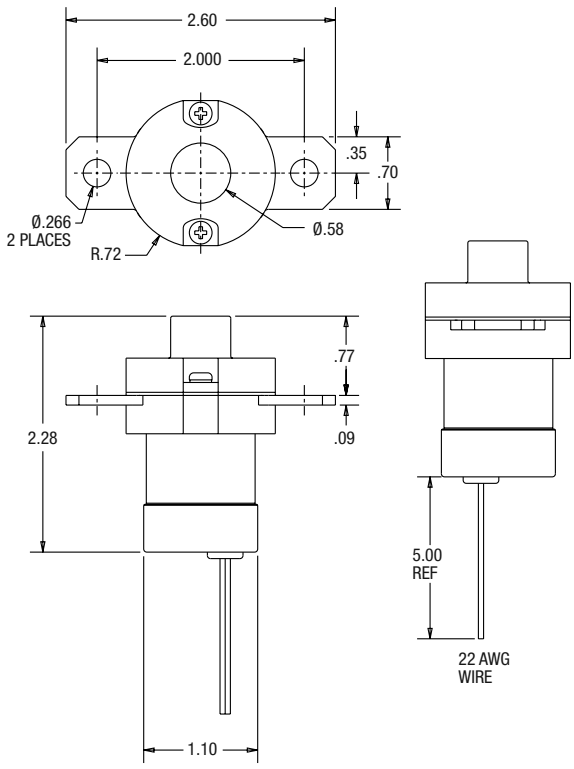
**Chassis Mount**



**Bus Bar Mount**



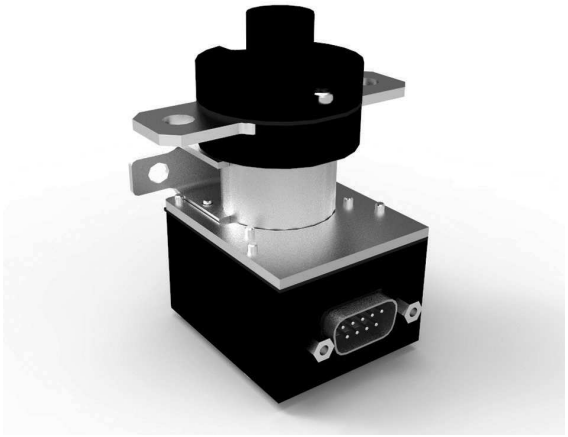


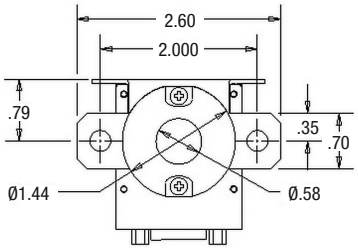



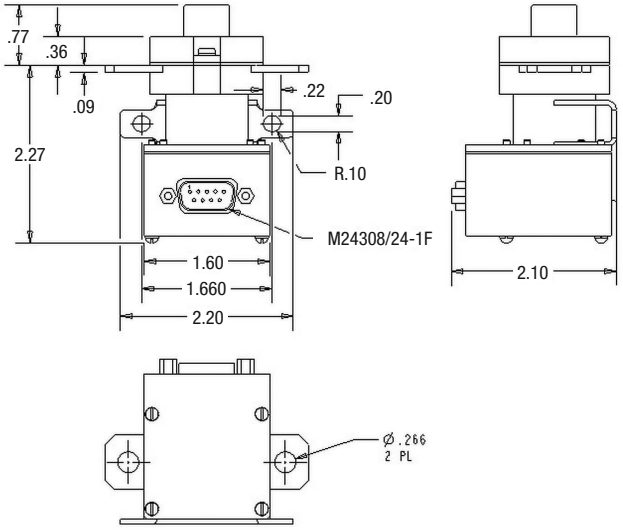

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## K200 Series, Rated up to 200 Amps, 28 Vdc (Continued)

**Chassis Mount**



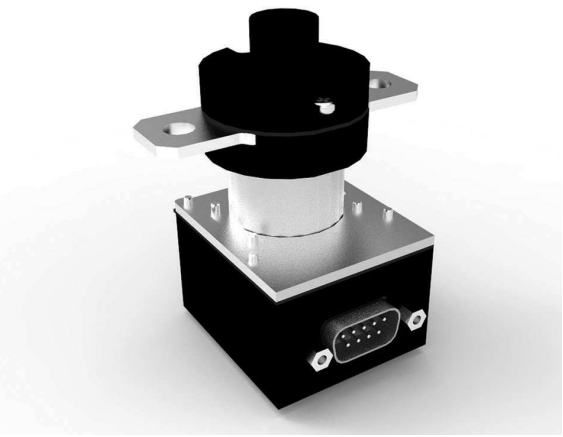


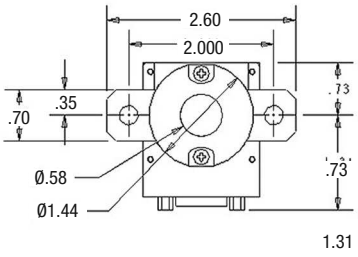



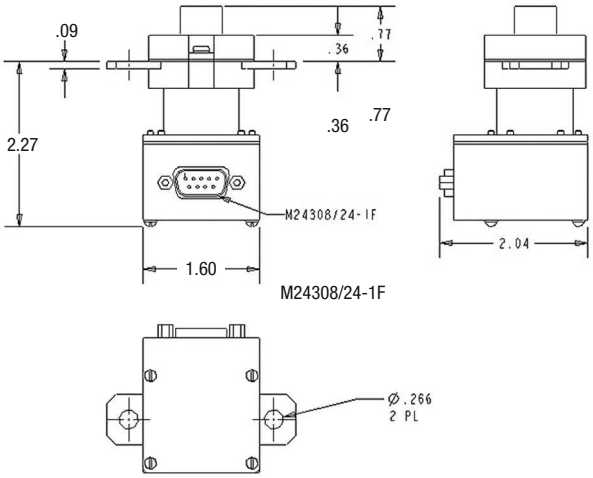




**Bus Bar Mount**









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