

Two Pole Heavy Duty PCB / QC Power Relay

HG4236



FEATURES

- Two poles heavy duty power relay
- Up to 30A switching capacity
- DC and AC coil available
- 8 mm creepage distance and 4 KV dielectric
- PCB and QC termination

TYPICAL APPLICATIONS

- Industrial control
- Commercial applications

CONTACT RATING

| Form | 2 Form A (2H), 2 Form C (2Z) | |
|------------------------|------------------------------|--------------------------|
| | NO | NC |
| Resistive | 30A, 120VAC / 277VAC | 3A, 28VDC / 277VAC |
| | 20A, 28VDC | 2A, 480VAC 1A, 600VAC |
| Motor | 1HP, 120VAC 2.5HP, 250VAC | |
| TV | TV10 | |
| Max. Switching Current | 30A | |
| Max. Switching Voltage | 277VAC | |

CONTACT DATA

| | | |
|--------------------|-------------------------|--|
| Material | AgCdO | |
| Initial Resistance | 50 mΩ, max. at 1A, 6VDC | |
| Service | Mechanical | 5 x 10 ⁶ ops. |
| | Electrical | 10 ⁵ ops. at 30A, 250VAC or 2HP, 250VAC |

COIL DATA

| Type | Coil Voltage Code | Nominal Voltage (VDC/VAC) | Resistance (Ω) ±10% | | Must Operate Voltage max. (VDC/VAC) | Must Release Voltage min. (VDC/VAC) |
|--------------|-------------------|---------------------------|---------------------|------|-------------------------------------|-------------------------------------|
| DC | 006 | 6 | 22 | | 4.5 | 0.6 |
| | 012 | 12 | 86 | | 9.0 | 1.2 |
| | 024 | 24 | 350 | | 18.0 | 2.4 |
| | 048 | 48 | 1390 | | 36.0 | 4.8 |
| | 110 | 110 | 7255 | | 82.5 | 11.0 |
| AC Frequency | | | 50Hz | 60Hz | | |
| AC | 024A | 24 | 52 | 39 | 19.2 | 4.8 |
| | 120A | 120 | 1390 | 950 | 96.0 | 24.0 |
| | 208A | 208 | 3800 | 2841 | 166.4 | 41.6 |
| | 240A | 240 | 5200 | 3800 | 192.0 | 48.0 |
| | 277A | 277 | 7255 | 5200 | 221.6 | 55.4 |

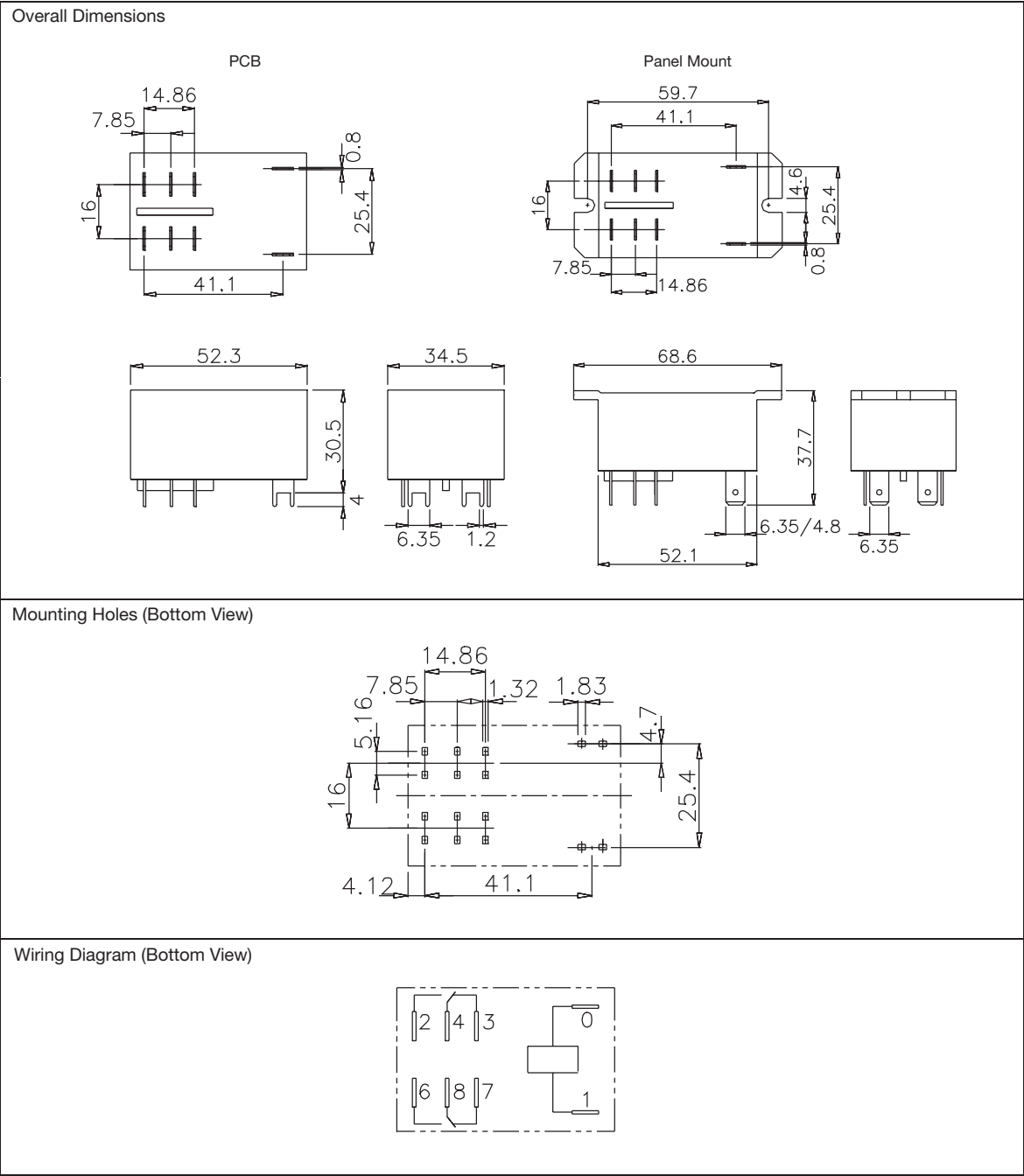
CHARACTERISTICS

| | |
|-----------------------|---|
| Operate Time | 15 ms. |
| Release Time | 10 ms. |
| Insulation Resistance | 1000 MΩ, at 500 VDC, 50%RH |
| Dielectric Strength | 1500 Vrms, 1 min. between open contacts 4000 Vrms, 1 min. between coil and contacts 2000 Vrms, 1 min. between poles |
| Shock Resistance | 10 g, 11ms, functional; 100 g, destructive |
| Vibration Resistance | DA 1.65mm, 10 - 55 Hz |
| Power Consumption | DC Coil: 1.7 W; AC Coil: 4VA; approx. |
| Ambient Temperature | DC Coil: -55 to 85 C; AC Coil: -40 to 65 C operating |
| Weight | 86 g, approx. |

ORDERING DESIGNATION

| | | | | | | | | |
|----------------------------|----------|-----|-----|----|---|---|---|---|
| Example: | HG4236 / | 120 | A - | 2Z | 1 | 1 | C | F |
| Model | | | | | | | | |
| Coil Voltage Code | | | | | | | | |
| DC/AC | | | | | | | | |
| Nil: DC A: AC | | | | | | | | |
| Contact Form | | | | | | | | |
| 2H: 2 Form A; 2Z: 2 Form C | | | | | | | | |
| Mounting Version | | | | | | | | |
| 0: PCB; 1: Panel Mount | | | | | | | | |
| Version | | | | | | | | |
| 1: Sealed; 2: Dust Cover | | | | | | | | |
| Contact Material | | | | | | | | |
| C: AgCdO | | | | | | | | |
| Thermal Class | | | | | | | | |
| F: UL Class F | | | | | | | | |

OVERALL DIMENSIONS, MOUNTING HOLES AND WIRING DIAGRAM (mm)



NOTES

- 1. All parameters, unless otherwise specified, are measured at ambient temperature 23°C.
- 2. Custom-made services available with operational quantity. Please let us know your special requirements.
- 3. Specifications subject to change without prior notice.