

HAMPTON

Hampton Controls

1-800-437-2664

www.hamptoncontrols.com

DURAKOOL Series CBC (Closed) 100 Amps

3 POLE

Durakool mercury contactors are a favorite choice for high reliability lighting and heating control. Their low maintenance and excellent tungsten in-rush handling characteristics provide dependable long-term operation. CFC (normally open) and CBC (normally closed) contactors are general purpose rated at 100 Amps. Top and bottom compression-lug connectors provide secure connection.

"C" size Durakool contactors have mercury-to-tungsten contacts for easy handling of inductive, tungsten, motor and resistive loads. Tungsten's resistance to arcing erosion prolongs the life of the contactor.

SPECIFICATIONS

| | | |
|---------------------------------|--|----------------|
| Maximum Time: | Operate | Release |
| Normally Open: | 90 ms | 140 ms |
| Normally Closed: | 200 ms | 100 ms |
| Contact Bounce, Release: | Allowed on normally open models | |
| Recommended | | |
| DC Load Polarity: | Top Connector Negative | |
| Load Connectors: | Pressure Connector *1-8 AWG Cu. | |
| Coil Terminals: | *6-32 Wire Binding Screw, Max. *12 AWG Cu. | |
| Breakdown Voltage: | 5000 VRMS/Min. Across Contacts | |



| TYPE/SERIES | | CBC (Normally Closed) | | | |
|-------------|---------|--------------------------|-------------------|-------|-------|
| DESCRIPTION | Volts | Part Number | Typical Coil Data | | |
| | | | DC Ohms | Watts | Amps |
| 3 Pole | 24 | CBC3-307 | 1.4 | 40.0 | 4.720 |
| | 120 | CBC3-304 | 23 | 33.0 | 0.850 |
| | 208 | CBC3-308 | 100 | 23.0 | 0.345 |
| | 240 | CBC3-306 | 110 | 24.0 | 0.321 |
| | 277 | CBC3-309 | 150 | 26.9 | 0.294 |
| | 480 | CBC3-305 | 440 | 24.2 | 0.162 |
| | 12 (DC) | CBC3-310 | 10 | 13.4 | 1.121 |
| | 24 (DC) | CBC3-311 | 40 | 13.4 | 0.558 |

| ELECTRICAL RATINGS | GENERAL PURPOSE 0.7/0.8 UL Power Factor | | | | | | DC | | Tungsten Lamp/60 Hz | AC MOTOR LOAD | | | | |
|---------------------------|--|-----|-----|-----|-----|-----|---------|------|------------------------|---------------|---------|---------|----|----|
| | Volts | 120 | 208 | 240 | 277 | 480 | 600 | 1-48 | 120 | 240 | 1 Phase | 3 Phase | | |
| SERIES | 60 Hz Amps | | | | | | DC Amps | | Amps | KW | Hp | Hp | Hp | |
| CFC 100 (Normally Open) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 50 | 30 | 100 | 12.0 | 7.5 | 10 | 20 |
| CBC 100 (Normally Closed) | 100 | 90 | 90 | 60 | 60 | 70 | 100 | 50 | 30 | 90 | 10.8 | 7.5 | 10 | 20 |

