



**American Electronic Components, Inc.**

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## **DURAKOOL Series BF (Open) 30 Amps**

### **SPECIFICATIONS**

Durakool 30 Amp general purpose contactors are available in 1, 2, and 3 pole configurations to suit a variety of design needs.

The BF (normally open) and BB (normally closed) both feature long-life contacts which provide low, stable contact resistance. Screw terminals are included for both load and control connections. The top wiring style of the load terminals allows efficient use of available panel space.

|                                      |                                            |                |
|--------------------------------------|--------------------------------------------|----------------|
| <b>Maximum Time:</b>                 | <b>Operate</b>                             | <b>Release</b> |
| <b>Normally Open:</b>                | 70 ms                                      | 90 ms          |
| <b>Normally Closed:</b>              | 150 ms                                     | 200 ms         |
| <b>Contact Bounce, Release:</b>      | None                                       |                |
| <b>Recommended DC Load Polarity:</b> | Center Tube Connector Negative             |                |
| <b>Load Connectors:</b>              | #8-32 Wire Binding Screw, Max. #8 AWG Cu.  |                |
| <b>Coil Terminals:</b>               | #6-32 Wire Binding Screw, Max. #12 AWG Cu. |                |
| <b>Breakdown Voltage:</b>            | 5000 VRMS/Min. Across Contacts             |                |



| TYPE/SERIES |         | BF<br>(Normally Open) |                   |       |       |
|-------------|---------|-----------------------|-------------------|-------|-------|
| DESCRIPTION | Volts   | Part Number           | Typical Coil Data |       |       |
|             |         |                       | DC Ohms           | Watts | Amps  |
| 1 Pole      | 24      | BF-7031               | 40                | 2.80  | 0.233 |
|             | 120     | BF-7032               | 902               | 3.69  | 0.057 |
|             | 208     | BF-7033               | 3100              | 3.46  | 0.030 |
|             | 240     | BF-7034               | 3700              | 3.14  | 0.025 |
|             | 277     | BF-7035               | 5410              | 3.42  | 0.022 |
|             | 480     | BF-7036               | 15000             | 3.49  | 0.013 |
|             | 12 (DC) | BF-7058               | 57                | 2.50  | 0.210 |
|             | 24 (DC) | BF-7046               | 230               | 2.50  | 0.104 |

| ELECTRICAL RATINGS      | GENERAL PURPOSE<br>0.7/0.8 UL Power Factor |            |     |     |     |     | DC  |              | Tungsten<br>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  |
| BF 30 (Normally Open)   |                                            | 30         | 30  | 30  | 30  | 30  | 30  | 30 25 15     | 30 3.6                 | 2.0           | 3.0     | 5.0 |
| BB 30 (Normally Closed) |                                            | 30         | 22  | 20  | 18  | 10  | 8   | 30 20 10     | 20 2.4                 | 1.5           | 2.0     | 3.0 |

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