



**American Electronic Components, Inc.**

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**DURAKOOL Series BFC (Open) 60 Amps**

The unusually long life of Durakool "B" size contactors in proportional temperature control systems has made them the most popular choice of designers of process heating controls.

BFC (normally open) and BBC (normally closed) contactors are general purpose, 60 Amp rated, featuring mercury-to-tungsten contacts. Tungsten's ability to resist arcing erosion greatly prolongs the life of the contactor. These relays can be used in plastic extrusion equipment to cycle heaters for precise temperature control.

**SPECIFICATIONS**

Maximum Time:	Operate	Release
Normally Open:	70 ms	90 ms
Normally Closed:	120 ms	90 ms
Contact Bounce, Release:	None	
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		BFC (Normally Open)			
DESCRIPTION	Part Number	Typical Coil Data			
		DC Ohms	Watts	Amps	
1 Pole	Volts				
	24	BFC-716	40	2.60	0.235
	120	BFC-717	902	3.47	0.055
	208	BFC-718	3100	3.50	0.029
	240	BFC-719	3700	3.40	0.026
	277	BFC-720	5410	3.46	0.022
	480	BFC-721	15000	3.54	0.012
	12 (DC)	BFC-730	57	3.64	0.293
	24 (DC)	BFC-722	230	3.48	0.146

ELECTRICAL RATINGS	GENERAL PURPOSE 0.7/0.8 UL Power Factor						DC			Tungsten Lamp/60 Hz	AC MOTOR LOAD						
	Volts						1-48 120 240			120	1 Phase			3 Phase			
	60 Hz Amps						DC Amps			Amps KW	Hp	Hp	Hp	Hp	Hp	Hp	
BFC 60 (Normally Open)	60	60	60	60	60	60	60	30	20	60	7.2	3.0	5.0	7.5	5.0	10.0	15.0
BBC 60 (Normally Closed)	60	45	45	45	35	25	60	30	20	55	6.6	3.0	5.0	—	5.0	7.5	—

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