



Hampton Controls

1-800-437-2664

www.hamptoncontrols.com

DURAKOOL Series BBC (Closed) 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		BBC (Normally Closed)			
DESCRIPTION	Volts	Part Number	Typical Coil Data		
			DC Ohms	Watts	Amps
1 Pole	24	BBC-701	40	2.80	0.229
	120	BBC-702	902	3.50	0.055
	208	BBC-703	3100	3.40	0.029
	240	BBC-704	3700	2.90	0.024
	277	BBC-705	5410	3.40	0.020
	480	BBC-706	15000	3.60	0.010
	12 (DC)	BBC-719	57	2.50	0.214
	24 (DC)	BBC-707	230	2.40	0.099

ELECTRICAL RATINGS	GENERAL PURPOSE 0.7/0.8 UL Power Factor						DC			Tungsten Lamp/60 Hz		AC MOTOR LOAD					
												1 Phase			3 Phase		
Volts	120	208	240	277	480	600	1-48	120	240	120		120	240	480	120	240	480
SERIES	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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