

# Willow Technologies Ltd.

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

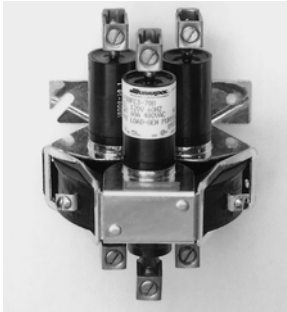
### 3 POLE

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

<b>Maximum Time:</b>	<b>Operate</b>	<b>Release</b>
Normally Open:	70 ms	90 ms
Normally Closed:	120 ms	90 ms
<b>Contact Bounce, Release:</b>	None	
<b>Recommended DC Load Polarity:</b>	Top Connector Negative	
<b>Load Connectors:</b>	Pressure Connector #1-8 AWG Cu.	
<b>Coil Terminals:</b>	#6-32 Wire Binding Screw, Max. #12 AWG Cu.	
<b>Breakdown Voltage:</b>	5000 VRMS/Min. Across Contacts	



DESCRIPTION	Volts	BFC (Normally Open)			
		Part Number	Typical Coil Data		
			DC Ohms	Watts	Amps
3 Pole	24	BFC3-707	4.5	3.65	2.492
	120	BFC3-708	122	9.54	0.224
	208	BFC3-709	430	8.66	0.112
	240	BFC3-710	470	9.47	0.110
	277	BFC3-711	747	8.22	0.081
	480	BFC3-712	1900	10.12	0.055
	12 (DC)	BFC3-720	11.5	10.10	0.866
	24 (DC)	BFC3-721	46	11.10	0.461

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			
											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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