Order code



# **BFK contactors (including** limiting resistors)



BFK...

	power	at ≤50	440V	-60) 🛡		per	
	240V	400V	480V	690V	0	pkg	
	[kvar]	[kvar]	[kvar]	[kvar]	NO	n°	[kg]
AC COIL.							
BFK09 10A®	4.5	7.5	9	10	1	10	0.413
BFK12 10A®	7	12.5	14	16	1	10	0.413
BFK18 10A©	9	15	17	20	1	10	0.413
BFK26 00A@	11	20	22	25	-	10	0.472
BFK32 00A©	14	25	27.5	30	-	10	0.472
BFK38 00A®	17	30	33	36	-	10	0.472
11 BF50K 00®	22	38	41	46	-	5	1.440
11 BF65K 00®	26	45	50	56	-	5	1.470
11 BF70K 00⊛	30	50	56	65	-	5	1.470
11 BF80K 00®	34	60	65	70	-	5	1.470

Maximum IEC operational

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• Consult Customer Service (see contact details on inside front cover) for the use of contactors to switch with delta/wye connection.

 One NO auxiliary contact (SPST) incorporated.
Complete order code with coil voltage digit or with voltage digit followed by 60 if 60Hz.

Standard voltages are:

- AC 50/60Hz 024 / 048 / 110 / 230 / 400VAC - AC 60Hz 024 60 / 048 60 / 120 60 / 220 60 / 230 60 / 460 60 /

575 60 (V). Example: BFK09 10 A230 for contactor BFK09 with one NO contact and

230VAC 50/60Hz coil. BFK09 10 A460 60 for contactor BFK09 with one NO contact and 460VAC 60Hz coil

Туре	UL/CSA rated current		Maximum UL/CSA operational power at voltage:				
	240-600VAC		480V	600V			
	[A]	[kvar]	[kvar]	[kvar]			
BFK 09	12	4.5	9	10			
BFK 12	18	7	14	16			
BFK 18	23	9	17	20			
BFK 26	30	11	22	27.5			
BFK 32	36	14	27.5	32			
BFK 38	43	17	33	36			
BF50 K	58	22	41	46			
BF65 K	68	26	50	56			
BF70 K	72	30	60	65			
BF80 K	78	34	65	70			

IEC - UL/CSA Type IFC rated operational protection fuse current ≤440V gG-SC [A] [A] BFK09 12 16 18 BFK12 25 23 40 BFK18 30 40 BFK26 36 63 BFK32 43 63 BFK38 58 80 BF50K 70 100 BF65K BF70K 75 125 BF80K 90 125

Ambient operating temperature: ≤50°C. For ambient temperatures higher than 50°C and up to 70°C, the maximum operating power values indicated in the table must be reduced by a percentage equal to the difference between the operating ambient temperature and 50°C. E.g.: Using a BFK26 00 contactor at the ambient temperature of 60°C, the maximum operating power (at 400V) of the contactor will be equal to 20kvar - 10% = 18kvar. Operating cycle: ≤120 cycles/h Electrical life: ≥200,000 cycles.

#### Add-on auxiliary contacts

**Operational characteristics** 

The following contact blocks, can be fitted on the BFK contactors: BFX12..., G418..., G481..., G482... and G218.

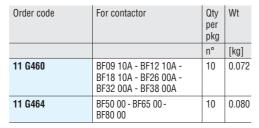
#### **Certifications and compliance**

Certification obtained: CCC, EAC; UL Listed for USA and Canada (cULus - File E93602), as Motor Controllers -Magnetic Capacitive Switches. Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-4-1, UL508, CSA C22.2 n° 14. Plastic materials are compliant with standards IEC/EN 60335; for BFK versions only, add suffix V260 to the standard product order code. Example: BF18K 10 A230 V260 for BF18K contactor having

1 NO auxiliary contact and 230VAC 50/60Hz coil with compliant plastic materials.

## Kits to assemble BFK contactors





### **General characteristics**

To optimise contactor stock management, a kit is available to transform normal three-pole contactors into BFK types for power factor correction. The table to the left indicates which kits to purchase depending on the standard contactor in stock.

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