

BFK contactors (including limiting resistors)

2



BFK...

Order code	Maximum IEC operational power at ≤50°C (AC-6b) ①				Qty per pkg	Wt [kg]
	240V	400V	480V	690V		
	[kvar]	[kvar]	[kvar]	[kvar]	NO	n°

AC COIL

BFK09 10A ②	4.5	7.5	9	10	1	10	0.413
BFK12 10A ②	7	12.5	14	16	1	10	0.413
BFK18 10A ②	9	15	17	20	1	10	0.413
BFK26 00A ②	11	20	22	25	-	10	0.472
BFK32 00A ②	14	25	27.5	30	-	10	0.472
BFK38 00A ②	17	30	33	36	-	10	0.472
11 BF50K 00 ②	22	38	41	46	-	5	1.440
11 BF65K 00 ②	26	45	50	56	-	5	1.470
11 BF70K 00 ②	30	50	56	65	-	5	1.470
11 BF80K 00 ②	34	60	65	70	-	5	1.470

① Consult Customer Service (see contact details on inside front cover) for the use of contactors to switch with delta/wye connection.

② One NO auxiliary contact (SPST) incorporated.

③ 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.

Type	UL/CSA rated current 240-600VAC [A]	Maximum UL/CSA operational power at voltage:		
		240V [kvar]	480V [kvar]	600V [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

Kits to assemble BFK contactors



11 G46...

Order code	For contactor	Qty per pkg	Wt [kg]
11 G460	BF09 10A - BF12 10A - BF18 10A - BF26 00A - BF32 00A - BF38 00A	10	0.072
11 G464	BF50 00 - BF65 00 - BF80 00	10	0.080

Operational characteristics

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

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.

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.