BFK5000A23060



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, BFK TYPE electric (INCLUDING LIMITING RESISTORS), MAXIMUM IEC OPERATIONAL POWER 400V = 40KVAR, COIL 230VAC 60HZ

Product designation				Power contactor
Product type designa				BFK50
Contact characteristic	S			
Number of poles			Nr.	3
Rated insulation volta			V	690
Rated impulse withsta			kV	8
Operational frequency	у			
		min	Hz	25
		max	Hz	400
	e air thermal current Ith		A	90
Rated operational pov	wer AC-6b (T≤40°C)			
		230V	kvar	22
		400V	kvar	40
		440480V	kvar	41
Chart time allowable		690V	kvar	46
	current for 10s (IEC/EN60947-1)		A	400
Protection fuse			۸	90
Making consoits (DMG		gG (IEC)	A	80
Making capacity (RMS	· · · · · · · · · · · · · · · · · · ·		A	500
Breaking capacity at v	lonage	440V	۸	400
		440V 500V	A A	352
		690V	A	312
Resistance per pole (average value)	030 v	mΩ	0.8
	r pole (average value)		11152	0.0
	pole (average value)	lth	W	6.5
Tightening torque for	terminals		••	0.0
		min	Nm	4
		max	Nm	5
		min	Ibin	2.95
		max	Ibin	3.69
Tightening torque for	coil terminal			
		min	Nm	0.8
		max	Nm	1
		min	lbin	Prodotti finiti
		max	lbin	Prodotti finiti
Max number of wires	simultaneously connectable		Nr.	2
Conductor section				
	Flexible w/o lug conductor section			
		min	mm²	1.5
		max	mm²	35
	Flexible c/w lug conductor section		2	
		min	mm²	1.5
Devuer terminal protect	ation according to IEC/EN COE20	max	mm²	35
	ction according to IEC/EN 60529			IP20 front
Mechanical features				
Operating position		normal		Vortical plan
		normal allowable		Vertical plan ±30°
		allowable		Screw / DIN rail
Fixing				35mm
Weight			g	1090
Operations			3	

BFK5000A23060 The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

BFK5000A23060



electric CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, BFK TYPE (INCLUDING LIMITING RESISTORS), MAXIMUM IEC OPERATIONAL POWER 400V = 40KVAR, ENERGY AND AUTOMATION COIL 230VAC 60HZ

Mechanical life				cycles	15000000
Electrical life				cycles	400000
Safety related data					
Performance level B10	0d according to EN/	ISO 13489-1			
			rated load	cycles	400000
			mechanical load	cycles	15000000
EMC compatibility					Yes
Rated AC voltage at 60	OHz			V	230
AC coil operating					
AC operating voltage	of 60Hz coil power	red at 60Hz			
		pick-up			
		pick up	min	%Us	80
			max	%Us	110
		drop-out			
			min	%Us	20
			max	%Us	55
AC average coil consu	•				
	of 50/60Hz coil po	wered at 50Hz			
			in-rush	VA	210
	(50/0011 - 1		holding	VA	15
	of 50/60Hz coil po	wered at 60Hz	in much	1/4	105
			in-rush holding	VA VA	195 13
	of 60Hz coil power	red at 60Hz	noiuing	VA	13
			in-rush	VA	210
			holding	VA	15
Dissipation at holding :	≤20°C 50Hz			W	5
Dissipation at holding : Max cycles frequency	≤20°C 50Hz		5	W	5
	≤20°C 50Hz		Ū	W cycles/h	
Max cycles frequency	≤20°C 50Hz				
Max cycles frequency Mechanical operation	ontrol				
Max cycles frequency Mechanical operation Operating times					
Max cycles frequency Mechanical operation Operating times	ontrol	Closing NO		cycles/h	3600
Max cycles frequency Mechanical operation Operating times	ontrol	Closing NO	min	cycles/h ms	3600 12
Max cycles frequency Mechanical operation Operating times	ontrol			cycles/h	3600
Max cycles frequency Mechanical operation Operating times	ontrol	Closing NO Opening NO	min max	cycles/h ms ms	3600 12 28
Max cycles frequency Mechanical operation Operating times	ontrol		min max min	cycles/h ms ms ms	3600 12 28 8
Max cycles frequency Mechanical operation Operating times	ontrol in AC		min max	cycles/h ms ms	3600 12 28
Max cycles frequency Mechanical operation Operating times	ontrol	Opening NO	min max min	cycles/h ms ms ms	3600 12 28 8
Max cycles frequency Mechanical operation Operating times	ontrol in AC		min max min	cycles/h ms ms ms	3600 12 28 8
Max cycles frequency Mechanical operation Operating times	ontrol in AC	Opening NO	min max min max	cycles/h ms ms ms ms	3600 12 28 8 22
Max cycles frequency Mechanical operation Operating times	ontrol in AC	Opening NO	min max min max min	cycles/h ms ms ms ms	3600 12 28 8 22 40
Max cycles frequency Mechanical operation Operating times	ontrol in AC	Opening NO Closing NO	min max min max min	cycles/h ms ms ms ms	3600 12 28 8 22 40 85 20
Max cycles frequency Mechanical operation Operating times Average time for Us co	ontrol in AC	Opening NO Closing NO	min max min max min max	cycles/h ms ms ms ms	3600 12 28 8 22 40 85
Max cycles frequency Mechanical operation Operating times Average time for Us co	ontrol in AC	Opening NO Closing NO	min max min max min max min	cycles/h ms ms ms ms ms	3600 12 28 8 22 40 85 20
Max cycles frequency Mechanical operation Operating times Average time for Us co	in AC	Opening NO Closing NO	min max min max min max min	cycles/h ms ms ms ms ms	3600 12 28 8 22 40 85 20
Max cycles frequency Mechanical operation Operating times Average time for Us co	ontrol in AC	Opening NO Closing NO	min max min max min max min max	cycles/h ms ms ms ms ms ms ms	3600 12 28 8 22 40 85 20 55
Max cycles frequency Mechanical operation Operating times Average time for Us co UL technical data General USE	in AC	Opening NO Closing NO	min max min max min max min	cycles/h ms ms ms ms ms	3600 12 28 8 22 40 85 20
Max cycles frequency Mechanical operation Operating times Average time for Us co UL technical data General USE	in AC	Opening NO Closing NO	min max min max min max min max	cycles/h ms ms ms ms ms ms ms	3600 12 28 8 22 40 85 20 55
Max cycles frequency Mechanical operation Operating times Average time for Us co UL technical data General USE	ontrol in AC in DC	Opening NO Closing NO Opening NO	min max min max min max min max	cycles/h ms ms ms ms ms ms ms	3600 12 28 8 22 40 85 20 55
Max cycles frequency Mechanical operation Operating times Average time for Us co UL technical data General USE	in AC	Opening NO Closing NO Opening NO	min max min max min max min max	cycles/h ms ms ms ms ms ms ms	3600 12 28 8 22 40 85 20 55

BFK5000A23060 The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding





CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, BFK TYPE electric (INCLUDING LIMITING RESISTORS), MAXIMUM IEC OPERATIONAL POWER 400V = 40KVAR, COIL 230VAC 60HZ

		max	°C	70
	Storage temperature		•	
	5	min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Prote	ection			
Pollution degree				3
Dimensions				
Wiring diagrams				
Certifications and c	compliance			
Compliance				
	CSA C22.2 n° 60947-1			
	CSA C22.2 n° 60947-4-1			
	IEC/EN 60947-1			
	IEC/EN 60947-4-1			
	UL 60947-1			
	UL 60947-4-1			
Certificates				
	222			
	cULus			
ETIM classification				
ETIM 8.0				EC001079 - Capacitor

Capacitor contactor