BFK5000A02460



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, BFK TYPE electric (INCLUDING LIMITING RESISTORS), MAXIMUM IEC OPERATIONAL POWER 400V = 40KVAR, COIL 24VAC 60HZ

Product designation				Power contactor
Product type designat				BFK50
Contact characteristics	S			
Number of poles			Nr.	3
Rated insulation voltage			V	690
Rated impulse withsta			kV	8
Operational frequency		min	⊔-,	25
		min max	Hz Hz	25 400
IEC Conventional free	air thormal current Ith	Παλ	A	90
Rated operational pow			~	30
Rated operational pow	Ver AC-00 (1240 C)	230V	kvar	22
		400V	kvar	40
		440480V	kvar	41
		690V	kvar	46
Short-time allowable o	current for 10s (IEC/EN60947-1)	0001	A	400
Protection fuse			A	400
		gG (IEC)	А	80
Making capacity (RMS	(aula)	go (i20)	A	500
Breaking capacity (1000			Λ	500
Dicaking capacity at w	onage	440V	А	400
		500V	A	352
		690V	A	312
Resistance per pole (a	average value)	0001	mΩ	0.8
Power dissipation per				0.0
i oner alcolpation per		lth	W	6.5
Tightening torque for the	erminals			0.0
righterinig terque fer t		min	Nm	4
		max	Nm	5
		min	Ibin	2.95
		max	Ibin	3.69
Tightening torque for c	coil terminal			
0 0 1		min	Nm	0.8
		max	Nm	1
		min	Ibin	Prodotti finiti
		max	Ibin	Prodotti finiti
Max number of wires s	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			
		min	mm²	1.5
		max	mm²	35
-	tion according to IEC/EN 60529			IP20 front
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail
				35mm
Weight			g	1090
Operations				

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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 6	0Hz			V	24
AC coil operating AC operating voltage					
AC operating voltage	of 60Hz coil powe	rod at 60Hz			
		pick-up			
		pick up	min	%Us	80
			max	%Us	110
		drop-out			
		·	min	%Us	20
			max	%Us	55
AC average coil consu	umption at 20°C				
	of 50/60Hz coil po	owered at 50Hz			
			in-rush	VA	210
	(= 0 / 0 0 1 1		holding	VA	15
	of 50/60Hz coil po	owered at 60Hz	in much	\/A	105
			in-rush holding	VA VA	195 13
	of 60Hz coil powe	red at 60Hz	noiuing	٧A	15
			in-rush	VA	210
			holding	VA	15
Dissipation at holding :	≤20°C 50Hz		lioiding	W	
Dissipation at holding : Max cycles frequency	≤20°C 50Hz				5
	≤20°C 50Hz				5
Max cycles frequency	≤20°C 50Hz		lioianig	W	5
Max cycles frequency Mechanical operation				W	5
Max cycles frequency Mechanical operation Operating times			lioidinig	W	5
Max cycles frequency Mechanical operation Operating times	ontrol	Closing NO		W cycles/h	5 3600
Max cycles frequency Mechanical operation Operating times	ontrol	Closing NO	min	W cycles/h ms	5 3600 12
Max cycles frequency Mechanical operation Operating times	ontrol	-		W cycles/h	5 3600
Max cycles frequency Mechanical operation Operating times	ontrol	Closing NO Opening NO	min max	W cycles/h ms ms	5 3600 12 28
Max cycles frequency Mechanical operation Operating times	ontrol	-	min max min	W cycles/h ms ms	5 3600 12 28 8
Max cycles frequency Mechanical operation Operating times	ontrol in AC	-	min max	W cycles/h ms ms	5 3600 12 28
Max cycles frequency Mechanical operation Operating times	ontrol	Opening NO	min max min	W cycles/h ms ms	5 3600 12 28 8
Max cycles frequency Mechanical operation Operating times	ontrol in AC	-	min max min	W cycles/h ms ms	5 3600 12 28 8
Max cycles frequency Mechanical operation Operating times	ontrol in AC	Opening NO	min max min max	W cycles/h ms ms ms ms	5 3600 12 28 8 22
Max cycles frequency Mechanical operation Operating times	ontrol in AC	Opening NO	min max min max min	W cycles/h ms ms ms ms	5 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	W cycles/h ms ms ms ms	5 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	W cycles/h ms ms ms ms ms	5 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	W cycles/h ms ms ms ms ms ms	5 3600 12 28 8 22 40 85 20
Max cycles frequency Mechanical operation Operating times Average time for Us co	ontrol in AC in DC	Opening NO Closing NO	min max min max min max min	W cycles/h ms ms ms ms ms ms	5 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	W cycles/h ms ms ms ms ms ms ms	5 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	min max min max min max min	W cycles/h ms ms ms ms ms ms	5 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	ontrol in AC in DC	Opening NO Closing NO	min max min max min max min max	W cycles/h ms ms ms ms ms ms ms	5 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	W cycles/h ms ms ms ms ms ms ms	5 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	W cycles/h ms ms ms ms ms ms ms	5 3600 12 28 8 22 40 85 20 55

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		max	°C	70
	Storage temperature			
	C I	min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Prot	ection			
Pollution degree				3
Dimensions				
Wiring diagrams				
Certifications and	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				
	<u> </u>			
	cULus			
ETIM classification	ו <u></u>			
ETIM 8.0				EC001079 - Capacitor

Capacitor contactor