BFK15000A12060



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, BFK TYPE (INCLUDING LIMITING RESISTORS), MAXIMUM IEC OPERATIONAL POWER 400V = 100KVAR, COIL 120VAC 60HZ

Product designation				Power contactor
Product type designat				BFK150
Contact characteristics	S			
Number of poles			Nr.	3
Rated insulation voltage Ui IEC/EN			V	690
Rated impulse withstand voltage Uimp			kV	8
Operational frequency	/			
		min	Hz	25
		max	Hz	400
IEC Conventional free			A	165
Rated operational pov	ver AC-6b (T≤40°C)			
		230V	kvar	50
		400V	kvar	100
		440480V	kvar	115
		690V	kvar	150
	current for 10s (IEC/EN60947-1)		A	1200
Protection fuse				
		gG (IEC)	A	160
Making capacity (RMS			A	1500
Breaking capacity at v	oltage			
		440V	А	1200
		500V	А	1025
		690V	A	905
Resistance per pole (a			mΩ	0.45
Power dissipation per	pole (average value)			
		Ith	W	12
Tightening torque for t	erminals			
		min	Nm	6
		max	Nm	7
		min	lbin	4.4
		max	lbin	5.2
Tightening torque for c	coil terminal			
		min	Nm	0.8
		max	Nm	1
		min	lbin	Prodotti finiti
		max	Ibin	Prodotti finiti
	simultaneously connectable		Nr.	2
Conductor section				
	Flexible w/o lug conductor section			
		min	mm²	1.5
		max	mm²	70
	Flexible c/w lug conductor section			
		min	mm²	1.5
		max	mm²	70
	tion according to IEC/EN 60529			IP20 front
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight			g	2095
Operations				

BFK15000A12060 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

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Mechanical life			cycles	15000000
Electrical life			cycles	800000
Safety related data				
Performance level B1	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	120
AC coil operating				
AC operating voltage				
	of 60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out			
	-	min	%Us	20
		max	%Us	55
AC average coil consu	Imption at 20°C			
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	300
		holding	VA	20
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	300
		holding	VA	17
	of 60Hz coil powered at 60Hz			
		in-rush	VA	300
		holding	VA	20
		noiuing	٧A	20
Dissipation at holding	≤20°C 50Hz	Holding	W	6.5
Dissipation at holding Max cycles frequency	≤20°C 50Hz	noiding		
	≤20°C 50Hz	nording		6.5
Max cycles frequency	≤20°C 50Hz	holding	W	6.5
Max cycles frequency Mechanical operation		holding	W	6.5
Max cycles frequency Mechanical operation Operating times		nording	W	6.5
Max cycles frequency Mechanical operation Operating times	ontrol	nording	W	6.5
Max cycles frequency Mechanical operation Operating times	ontrol in AC	min	W	6.5
Max cycles frequency Mechanical operation Operating times	ontrol in AC		W cycles/h	6.5 1500
Max cycles frequency Mechanical operation Operating times	ontrol in AC	min	W cycles/h ms	6.5 1500 16
Max cycles frequency Mechanical operation Operating times	ontrol in AC Closing NO	min	W cycles/h ms	6.5 1500 16
Max cycles frequency Mechanical operation Operating times Average time for Us co	ontrol in AC Closing NO	min max	W cycles/h ms ms	6.5 1500 16 32
Max cycles frequency Mechanical operation Operating times	ontrol in AC Closing NO	min max min	W cycles/h ms ms ms	6.5 1500 16 32 9
Max cycles frequency Mechanical operation Operating times Average time for Us co	ontrol in AC Closing NO	min max min	W cycles/h ms ms ms	6.5 1500 16 32 9
Max cycles frequency Mechanical operation Operating times Average time for Us co UL technical data	ontrol in AC Closing NO	min max min	W cycles/h ms ms ms	6.5 1500 16 32 9
Max cycles frequency Mechanical operation Operating times Average time for Us co UL technical data General USE	ontrol in AC Closing NO Opening NO	min max min	W cycles/h ms ms ms	6.5 1500 16 32 9
Max cycles frequency Mechanical operation Operating times Average time for Us co UL technical data General USE Ambient conditions	ontrol in AC Closing NO Opening NO	min max min max	W cycles/h ms ms ms ms	6.5 1500 16 32 9 24
Max cycles frequency Mechanical operation Operating times Average time for Us co UL technical data General USE	ontrol in AC Closing NO Opening NO Contactor	min max min max	W cycles/h ms ms ms ms	6.5 1500 16 32 9 24
Max cycles frequency Mechanical operation Operating times Average time for Us co UL technical data General USE Ambient conditions	ontrol in AC Closing NO Opening NO	min max min max	W cycles/h ms ms ms ms	6.5 1500 16 32 9 24 165
Max cycles frequency Mechanical operation Operating times Average time for Us co UL technical data General USE Ambient conditions	ontrol in AC Closing NO Opening NO Contactor	min max min max	W cycles/h ms ms ms s s c	6.5 1500 16 32 9 24 165 -50
Max cycles frequency Mechanical operation Operating times Average time for Us co UL technical data General USE Ambient conditions	ontrol in AC Closing NO Opening NO Contactor	min max min max AC current	W cycles/h ms ms ms ms	6.5 1500 16 32 9 24 165
Max cycles frequency Mechanical operation Operating times Average time for Us co UL technical data General USE Ambient conditions	ontrol in AC Closing NO Opening NO Contactor	min max min max AC current min	W cycles/h ms ms ms A A °C °C	6.5 1500 16 32 9 24 165 -50 70
Max cycles frequency Mechanical operation Operating times Average time for Us co UL technical data General USE Ambient conditions	ontrol in AC Closing NO Opening NO Contactor	min max min max AC current min	W cycles/h ms ms ms A A °C °C	6.5 1500 16 32 9 24 165 -50 70 -60
Max cycles frequency Mechanical operation Operating times Average time for Us co UL technical data General USE Ambient conditions Temperature	ontrol in AC Closing NO Opening NO Contactor	min max min max AC current min max	W cycles/h ms ms ms A A °C °C	6.5 1500 16 32 9 24 165 -50 70 -60 80
Max cycles frequency Mechanical operation Operating times Average time for Us co UL technical data General USE Ambient conditions	ontrol in AC Closing NO Opening NO Contactor Operating temperature Storage temperature	min max min max AC current min max min	W cycles/h ms ms ms A A °C °C	6.5 1500 16 32 9 24 165 -50 70 -60



ENERGY AND AUTOMATION

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Pollution degree

Pollution degree		3
Dimensions		
Wiring diagrams		
Certifications and comp	pliance	
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		
	CCC	
	cULus	
ETIM classification		
		EC001079 -
ETIM 8.0		Capacitor

contactor