BFK15000A46060



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, BFK TYPE (INCLUDING LIMITING RESISTORS), MAXIMUM IEC OPERATIONAL POWER 400V = 100KVAR, COIL 460VAC 60HZ

Product type designation Contact characteristics Number of poles Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operational frequency IEC Conventional free air thermal current Ith Rated operational power AC-6b (T≤40°C)	min max 230V 400V 440480V	Nr. V kV Hz Hz A kvar kvar	BFK150 3 690 8 25 400 165 50
Number of poles Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operational frequency IEC Conventional free air thermal current Ith	max 230V 400V 440480V	V kV Hz Hz A	690 8 25 400 165
Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operational frequency IEC Conventional free air thermal current Ith	max 230V 400V 440480V	V kV Hz Hz A	690 8 25 400 165
Rated impulse withstand voltage Uimp Operational frequency IEC Conventional free air thermal current Ith	max 230V 400V 440480V	kV Hz Hz A	8 25 400 165
Operational frequency IEC Conventional free air thermal current Ith	max 230V 400V 440480V	Hz Hz A kvar	25 400 165
IEC Conventional free air thermal current Ith	max 230V 400V 440480V	Hz A kvar	400 165
	max 230V 400V 440480V	Hz A kvar	400 165
	230V 400V 440480V	A kvar	165
	400V 440480V	kvar	
Rated operational power AC-6b (T≤40°C)	400V 440480V		50
	400V 440480V		50
	440480V	kvar	50
			100
2		kvar	115
	690V	kvar	150
Short-time allowable current for 10s (IEC/EN60947-1)		А	1200
Protection fuse			
	gG (IEC)	А	160
Making capacity (RMS value)		Α	1500
Breaking capacity at voltage			
	440V	А	1200
	500V	А	1025
	690V	А	905
Resistance per pole (average value)		mΩ	0.45
Power dissipation per pole (average value)			
	lth	W	12
Tightening torque for terminals			
	min	Nm	6
	max	Nm	7
	min	Ibin	4.4
	max	lbin	5.2
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	70
Flexible c/w lug conductor section			
	min	mm²	1.5
	max	mm²	70
Power terminal protection 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		3	

BFK15000A46060 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

BFK15000A46060



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, BFK TYPE (INCLUDING LIMITING RESISTORS), MAXIMUM IEC OPERATIONAL POWER 400V = 100KVAR, COIL 460VAC 60HZ

Mechanical life			cycles	15000000
Electrical life			cycles	800000
Safety related data			-,	
	Dd according to EN/ISO 13489-1			
	, and the second s	rated load	cycles	400000
		mechanical load	cycles	15000000
EMC compatibility			,	Yes
Rated AC voltage at 6)Hz		V	460
AC coil operating				
AC operating voltage				
1 0 0	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	mption at 20°C			
5	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
Dissipation at holding :	≤20°C 50Hz	holding	VA W	20 6.5
Dissipation at holding Max cycles frequency	≤20°C 50Hz	holding		
	≤20°C 50Hz	holding		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		holding	W	6.5
Max cycles frequency Mechanical operation Operating times	ontrol	holding	W	6.5
Max cycles frequency Mechanical operation Operating times	ontrol in AC	holding	W	6.5
Max cycles frequency Mechanical operation Operating times	ontrol in AC		W cycles/h	6.5
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 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	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 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	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	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
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 A	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

BFK15000A46060 CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, BFK TYPE (INCLUDING LIMITING RESISTORS), MAXIMUM IEC OPERATIONAL POWER 400V = 100KVAR, COIL 460VAC 60HZ

Pollution degree

Pollution degree		3
Dimensions		
Wiring diagrams		
Certifications and com	npliance	
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		
ETIM 8.0		EC001079 - Capacitor

contactor