BFK5000A04860



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 40KVAR, COIL 48VAC 60HZ



Product designation				Power contactor
Product type designat	tion			BFK50
Contact characteristic	S			
Number of poles			Nr.	3
Rated insulation volta	ge Ui IEC/EN		V	690
Rated impulse withsta	-		kV	8
Operational frequency				
		min	Hz	25
		max	Hz	400
IEC Conventional free	e air thermal current Ith		А	90
Rated operational pov	wer AC-6b (T≤40°C)			
		230V	kvar	22
		400V	kvar	40
		440480V	kvar	41
		690V	kvar	46
Short-time allowable	current for 10s (IEC/EN60947-1)		А	400
Protection fuse				
		gG (IEC)	А	80
Making capacity (RMS	S value)	<u> </u>	А	500
Breaking capacity at v				
3.4.7.7		440V	А	400
		500V	A	352
		690V	A	312
Resistance per pole (average value)		mΩ	0.8
Power dissipation per				
	P (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	max		0.00
		min	Nm	0.8
		max	Nm	1
		min	Ibin	0.8
		max	Ibin	0.74
Max number of wires	simultaneously connectable		Nr.	2
Conductor section				-
	AWG/Kcmil			
		max		2
	Flexible w/o lug conductor section	max		
		min	mm²	1.5
		max	mm²	35
	Flexible c/w lug conductor section	Παλ		
	LICKING OF THE CONCLUSION SECTION	min	mm²	1.5
		11111		1.0



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	max	mm²	35
Power terminal protection according to IEC/EN 60529			IP20 front
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
Fixing			Screw / DIN rail
Maisht		~	35mm
Weight Conductor section		g	1090
AWG/kcmil conductor section	20		2
Operations	max		2
Operations		avalaa	1500000
Mechanical life		cycles	1500000
		cycles	400000
Safety related data			
Performance level B10d according to EN/ISO 13489-1			400000
	rated load	cycles	400000
	mechanical load	cycles	1500000
EMC compatibility			yes
AC coil operating			10
Rated AC voltage at 60Hz		V	48
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 consumption at 20°C			
of 60Hz coil powered at 60Hz			
	in-rush	VA	210
	holding		15
Dissipation at holding ≤20°C 50Hz		W	5
Max cycles frequency			
Mechanical operation		cycles/h	3600
Operating times			
Average time for Us control			
in AC			
Closing NO			
	min	ms	12
	max	ms	28
Opening NO			
	min	ms	8
	max	ms	22
in DC			
Closing NO			
	min	ms	40
	max	ms	85
Opening NO			
	min	ms	20
	max	ms	55
JL technical data			

BFK5000A04860 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

ENERGY AND AUTOMATION

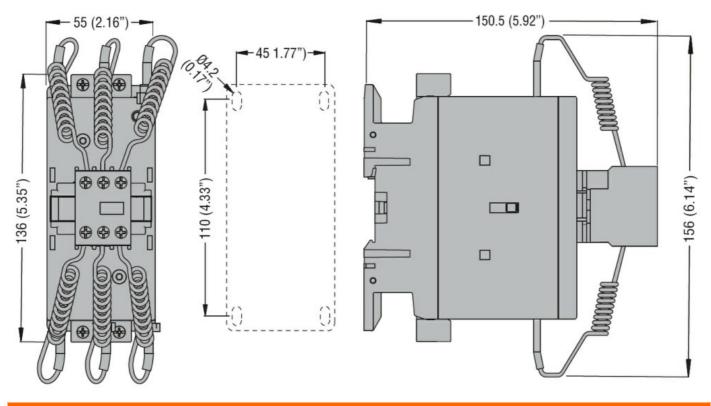
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General USE

	Contactor			
		AC current	А	90
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Protect	ion			
Pollution degree				3

Dimensions



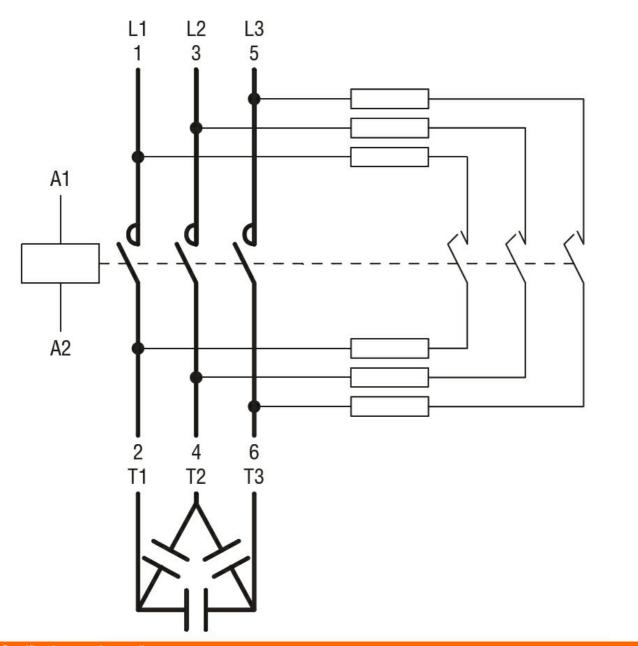
Wiring diagrams

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Certifications and compliance

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Comp	nance
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Compliance		
	CSA C22.2 n° 60947-1	
	CSA C22.2 n° 60947-4-1	
	IEC/EN/BS 60947-1	
	IEC/EN/BS 60947-4-1	
	UL 60947-1	
	UL 60947-4-1	
Certificates		
	CCC	
	cULus	
ETIM classification		
ETIM 8.0		EC001079 - Capacitor contactor