## BFK8000A04860



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 50KVAR, COIL 48VAC 60HZ



				-3
Product designation				Power contactor
Product type designat	tion			BFK80
Contact characteristic	S			
Number of poles			Nr.	3
Rated insulation volta	ge Ui IEC/EN		V	690
Rated impulse withsta	and voltage Uimp		kV	8
Operational frequency				
		min	Hz	25
		max	Hz	400
IEC Conventional free	e air thermal current Ith		A	115
Rated operational pov				
rated operational per		230V	kvar	30
		400V	kvar	50
		440480V	kvar	56
		690V	kvar	65
Short time allowable	current for 10s (IEC/EN60947-1)	090 V	A	640
Protection fuse			A	040
Protection fuse			^	405
		gG (IEC)	<u>A</u>	125
Making capacity (RMS			A	800
Breaking capacity at v	voltage		_	
		440V	A	640
		500V	A	625
		690V	A	456
	Resistance per pole (average value)		mΩ	0.6
Power dissipation per	pole (average value)			
		Ith	W	7.9
Tightening torque for	terminals			
		min	Nm	4
		max	Nm	5
		min	lbin	2.95
		max	lbin	3.69
Tightening torque for	coil terminal			
· · ·		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		£
	FIGNISIC W/O TUG CONDUCTOR SECTION	min	mm²	1.5
			mm²	35
	Flovible c/w lug conductor spection	max	111111	55
	Flexible c/w lug conductor section		200	1 5
		min	mm²	1.5

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			max	mm²	35
Power terminal protec	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
Conductor section					
	AWG/kcmil conduct	or section			
			max		2
Operations					
Mechanical life				cycles	15000000
Electrical life				cycles	400000
Safety related data					
Performance level B1	0d according to EN/IS	O 13489-1			
			rated load	cycles	400000
			mechanical load	cycles	15000000
EMC compatibility					yes
AC coil operating					
Rated AC voltage at 6	0Hz			V	48
AC operating voltage	( 001 J				
	of 60Hz coil powere				
		pick-up		0/11	
			min	%Us	80
		duese esst	max	%Us	110
		drop-out		0/11-	20
			min max	%Us %Us	20 55
AC average coil consu	Imption at 20°C		Xbiii	/005	55
no average con const	of 60Hz coil powere	d at 60Hz			
			in-rush	VA	210
			holding	VA VA	15
Dissipation at holding	≤20°C 50H7		noiding	W	5
Max cycles frequency				vv	~
Mechanical operation				cycles/h	3600
Operating times				5,5100/11	
Average time for Us c	ontrol				
<b>C</b>	in AC				
		Closing NO			
		č	min	ms	12
					28
			max	ms	
		Opening NO	max	ms	
		Opening NO	max	ms ms	8
		Opening NO			8 22
	in DC		min	ms	
	in DC	Opening NO Closing NO	min	ms	22
	in DC		min	ms	40
	in DC	Closing NO	min max	ms ms	22
	in DC		min max min max	ms ms ms ms	22 40 85
	in DC	Closing NO	min max min	ms ms	40

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ENERGY AND AUTOMATION

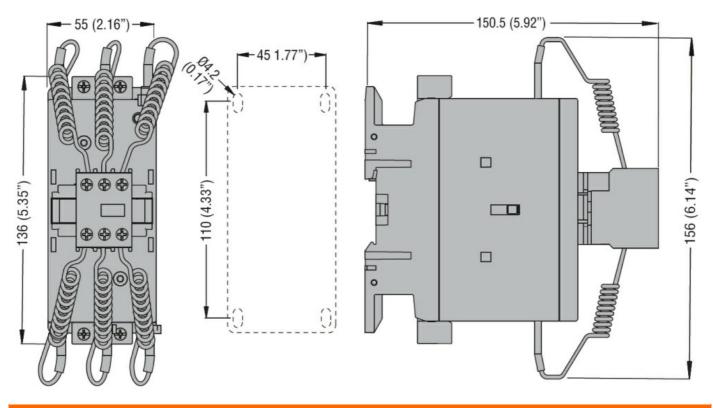
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## General USE

	Contactor			
		AC current	А	115
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Protec	tion			
Pollution degree				3

Dimensions



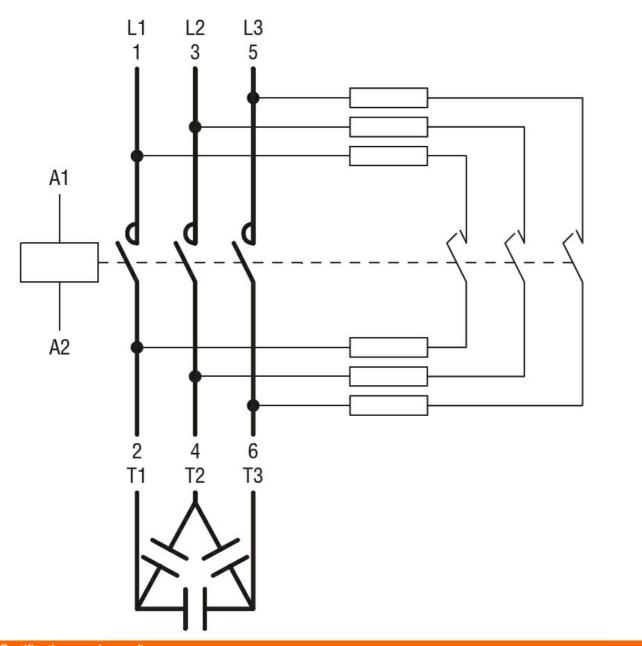
Wiring diagrams

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## Certifications and compliance

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