# BFK3200A23060



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 25KVAR, COIL 230VAC 60HZ



Product designation				Power contactor
Product type designat				BFK32
Contact characteristic	S		N I.a	<u>^</u>
Number of poles			Nr.	3
Rated insulation voltage			V	690
Rated impulse withsta	- · ·		kV	6
Operational frequency	/			
		min	Hz	25
<u></u>		max	Hz	400
	air thermal current Ith		A	56
Rated operational pov	wer AC-6b (1≤40°C)	0001/		
		230V	kvar	14
		400V	kvar	25
		440480V	kvar	27.5
		690V	kvar	30
	current for 10s (IEC/EN60947-1)		A	320
Protection fuse		0 (150)		
		gG (IEC)	A	63
Making capacity (RMS			Α	320
Breaking capacity at v	oltage	44014		050
		440V	A	256
		500V	A	240
Desister seconds (		690V	A	192
Resistance per pole (average value)			mΩ	2
Power dissipation per	pole (average value)	14		2
		Ith	W	6
Tightening torque for t	terminals			- <b>-</b>
		min	Nm	2.5
		max	Nm	3
		min	Ibin	1.8
<b>T</b> 's 1 (s. s <sup>1</sup> ) (s. s) (s. s) (s. s)		max	lbin	2.2
Tightening torque for o	coli terminal		N.L.	0.0
		min	Nm	0.8
		max	Nm	1
		min	lbin Ibin	0.59
		max	Ibin	0.74
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			C
	Electric terror and a first state of the	max		6
	Flexible w/o lug conductor section			0.5
		min	mm²	2.5
		max	mm²	16
	Flexible c/w lug conductor section			4
		min	mm²	1

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		ax mm²	10
	Flexible with insulated spade lug conductor section		10
	m next ble with insulated space by conductor section	in mm²	1
	ma		10
Power terminal protec	tion according to IEC/EN 60529		IP20 when properly wired
Mechanical features			
Operating position			
	norm allowab		Vertical plan ±30°
Fixing			Screw / DIN rail 35mm
Weight		g	400
Conductor section			
	AWG/kcmil conductor section		
	ma	ıx	6
Operations			
Mechanical life		cycles	2000000
Electrical life		cycles	1600000
Safety related data			
Performance level B1	0d according to EN/ISO 13489-1		
	rated loa	,	400000
	mechanical loa	id cycles	2000000
EMC compatibility			yes
AC coil operating		N/	000
Rated AC voltage at 6	UHZ	V	230
AC operating voltage			
	of 60Hz coil powered at 60Hz pick-up		
	pick-up m	in %Us	80
	ma		110
	drop-out	N 7000	110
	m	in %Us	20
	ma		55
AC average coil consu			
Ŭ	of 60Hz coil powered at 60Hz		
	in-rus	sh VA	75
	holdir	ig VA	9
Dissipation at holding	≤20°C 50Hz	W	2.5
Max cycles frequency			
Mechanical operation		cycles/h	3600
Operating times			
Average time for Us c			
	in AC		
	Closing NO		0
	m		8
		ax ms	24
	Opening NO	in mo	5
	m		5 15
	Closing NC	ax ms	1J
	m	in ms	9
	ma		20
UL technical data		_	

UL technical data

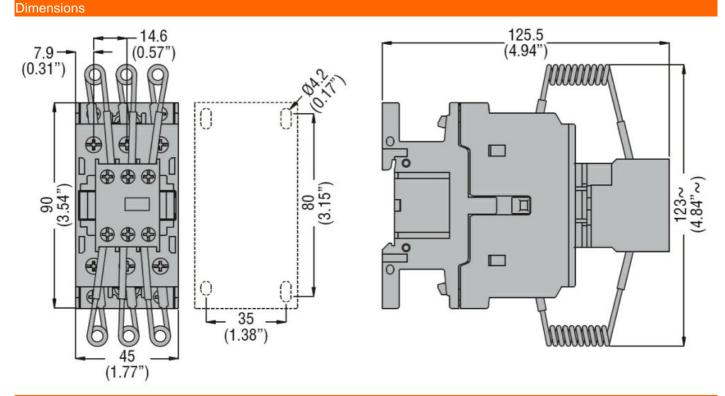
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ENERGY AND AUTOMATION

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### General USE

	Contactor			
		AC current	А	56
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



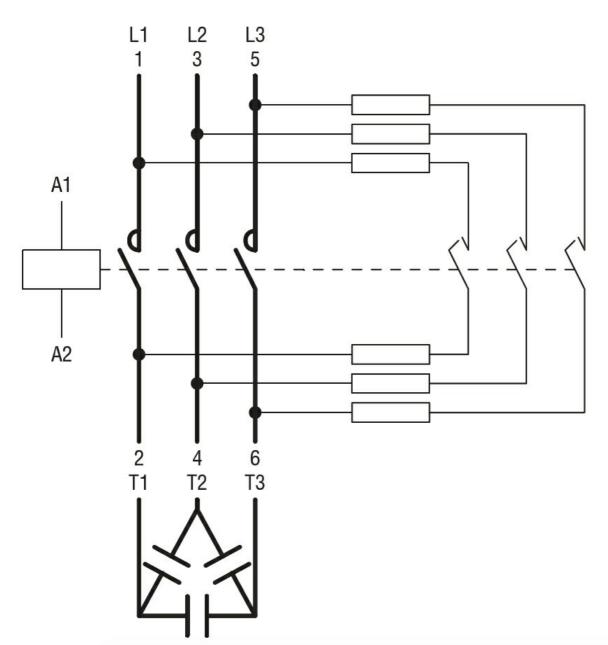
#### Wiring diagrams

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# Certifications and compliance

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Simpliance		
	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	
ertificates		
	CCC	
	cULus	
	EAC	
TIM classification		
		EC001079 -
TIM 8.0		Capacitor

contactor