## BFK3200A02460



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 25KVAR, COIL 24VAC 60HZ



Product designation				Power contactor
Product type designat				BFK32
Contact characteristic	S			
Number of poles			Nr.	3
Rated insulation voltage			V	690
Rated impulse withsta			kV	6
Operational frequency	1			
		min	Hz	25
		max	Hz	400
	air thermal current Ith		A	56
Rated operational pov	ver AC-6b (T≤40°C)			
		230V	kvar	14
		400V	kvar	25
		440480V	kvar	27.5
		690V	kvar	30
	current for 10s (IEC/EN60947-1)		A	320
Protection fuse				
		gG (IEC)	А	63
Making capacity (RMS			Α	320
Breaking capacity at v	oltage			
		440V	А	256
		500V	А	240
		690V	A	192
Resistance per pole (a			mΩ	2
Power dissipation per	pole (average value)			
		Ith	W	6
Tightening torque for t	erminals			
		min	Nm	2.5
		max	Nm	3
		min	lbin	1.8
		max	lbin	2.2
Tightening torque for a	coil terminal			
		min	Nm	0.8
		max	Nm	1
		min	lbin	0.59
		max	lbin	0.74
Max number of wires	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		max		6
	Flexible w/o lug conductor section			
		min	mm²	2.5
		max	mm²	16
	Flexible c/w lug conductor section			
		min	mm²	1

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		max	mm²	10
	Flexible with insulated spade lug conductor section			
		min	mm²	1
		max	mm²	10
Power terminal protec	tion according to IEC/EN 60529			IP20 when properly wired
Mechanical features				
Operating position				
		ormal wable		Vertical plan ±30°
Fixing		wable		Screw / DIN rail 35mm
Weight			g	400
Conductor section			9	400
	AWG/kcmil conductor section			
		max		6
Operations				
Mechanical life			cycles	20000000
Electrical life			cycles	1600000
Safety related data				
Performance level B1	0d according to EN/ISO 13489-1			
		d load	cycles	400000
	mechanica	I load	cycles	2000000
EMC compatibility				yes
AC coil operating			M	0.4
Rated AC voltage at 6 AC operating voltage	UHZ		V	24
AC operating voltage	of 60Hz coil powered at 60Hz			
	pick-up			
	Pion up	min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	55
AC average coil consu	•			
	of 60Hz coil powered at 60Hz			
	ir	n-rush	VA	75
	•			1.1
Disain ation at halding		olding	VA	9
	≤20°C 50Hz	olding	VA W	9 2.5
Max cycles frequency	≤20°C 50Hz	olding	W	2.5
Max cycles frequency Mechanical operation	≤20°C 50Hz	olding		2.5
Max cycles frequency Mechanical operation Operating times	≤20°C 50Hz	olding	W	2.5
Dissipation at holding Max cycles frequency Mechanical operation Operating times Average time for Us co	≤20°C 50Hz	olding	W	2.5
Max cycles frequency Mechanical operation Operating times	≤20°C 50Hz ontrol	olding	W	2.5
Max cycles frequency Mechanical operation Operating times	≤20°C 50Hz ontrol in AC	min	W	2.5
Max cycles frequency Mechanical operation Operating times	≤20°C 50Hz ontrol in AC		W cycles/h	2.5 3600
Max cycles frequency Mechanical operation Operating times	≤20°C 50Hz ontrol in AC	min	W cycles/h ms	2.5 3600 8 24
Max cycles frequency Mechanical operation Operating times	≤20°C 50Hz ontrol in AC Closing NO	min	W cycles/h ms	2.5 3600 8 24 5
Max cycles frequency Mechanical operation Operating times	≤20°C 50Hz ontrol in AC Closing NO Opening NO	min max	W cycles/h ms ms	2.5 3600 8 24
Max cycles frequency Mechanical operation Operating times	≤20°C 50Hz ontrol in AC Closing NO	min max min max	W cycles/h ms ms ms ms	2.5 3600 8 24 5 15
Max cycles frequency Mechanical operation Operating times	≤20°C 50Hz ontrol in AC Closing NO Opening NO	min max min	W cycles/h ms ms ms	2.5 3600 8 24 5

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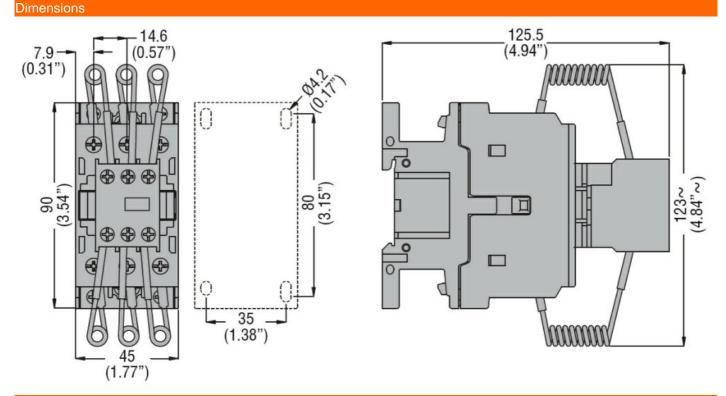
ENERGY AND AUTOMATION

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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



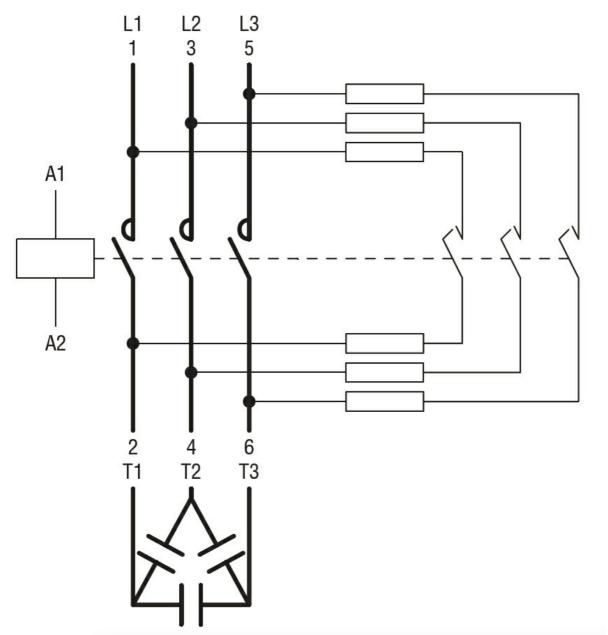
## Wiring diagrams

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## Certifications and compliance

Comp	liance
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Jinpliance		
	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