BFK3200A110



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 25KVAR, COIL 110VAC 50/60HZ



Product designation				Power contactor
Product type designation				BFK32
Contact characteristic	S			-
Number of poles			Nr.	3
Rated insulation volta	-		V	690
Rated impulse withsta			kV	6
Operational frequency	/			
		min	Hz	25
		max	Hz	400
	air thermal current Ith		A	56
Rated operational pov	wer 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)	A	63
Making capacity (RMS			А	320
Breaking capacity at v	voltage			
		440V	А	256
		500V	А	240
		690V	A	192
Resistance per pole (mΩ	2
Power dissipation per	pole (average value)			
		Ith	W	6
Tightening torque for	terminals			
		min	Nm	2.5
		max	Nm	3
		min	lbin	1.8
		max	lbin	2.2
Tightening torque for	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

ENERGY AND AUTOMATION

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		max	mm²	10
	Flexible with insulated spade lug conducto			
		min	mm²	1
		max	mm²	10
Power terminal protect	ction according to IEC/EN 60529			IP20 when properly wired
Mechanical features				
Operating position				
		normal allowable		Vertical plan ±30°
Fixing				Screw / DIN rail 35mm
Weight			g	400
Conductor section			3	
	AWG/kcmil conductor section			
		max		6
Operations				
Mechanical life			cycles	20000000
Electrical life			cycles	1600000
Safety related data				
	0d according to EN/ISO 13489-1			
	Ū.	rated load	cycles	400000
		mechanical load	cycles	2000000
EMC compatibility			-	yes
AC coil operating				
Rated AC voltage at \$	50/60Hz		V	110
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	55
	of 50/60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	85
	· · ·	max	%Us	110
	drop-out		0/17	00
		min	%Us	20
	umption at 20°C	max	%Us	55
AC average coil cons				
	of 50/60Hz coil powered at 50Hz	10 M	\/A	75
		in-rush	VA VA	75 0
	of 50/60Hz coil powered at 60Hz	holding	VA	9
	of 50/60Hz coil powered at 60Hz	in-rush	VA	70
			VA VA	70 7
	of 60Hz coil powered at 60Hz	holding	VA	1
	of 60Hz coil powered at 60Hz	in-rush	VA	75
		holding	VA VA	
Dissipation at holding	<20°C 50H7	noiaing	W	9 2.5
Max cycles frequency	/			
Mechanical operation			cycles/h	3600

BFK3200A110 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

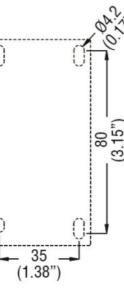


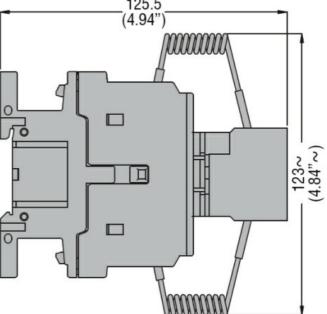
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Operating times							
Operating times Average time for Us co	ntrol						
Average time for 05 00	in AC						
		Closing NO					
		g		min	ms	8	
				max	ms	24	
		Opening NO					
				min	ms	5	
				max	ms	15	
		Closing NC					
				min	ms	9	
				max	ms	20	
UL technical data							
General USE	Contactor						
	Contactor			urrent	А	56	
Ambient conditions				unent	~	50	
Temperature							
	Operating temperature	1					
				min	°C	-50	
				max	°C	70	
	Storage temperature						
				min	°C	-60	
				max	°C	80	
Max altitude					m	3000	
Resistance & Protectio	in						
Pollution degree						3	
Dimensions							
	4.6			125.5			
7.9 - (0.	4.6 57")		(4.94")			7
(0.31")	0	20		nn	ากกกกก	M	1
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90 (3.54")		80 (3.15")					123~ 4.84"~)
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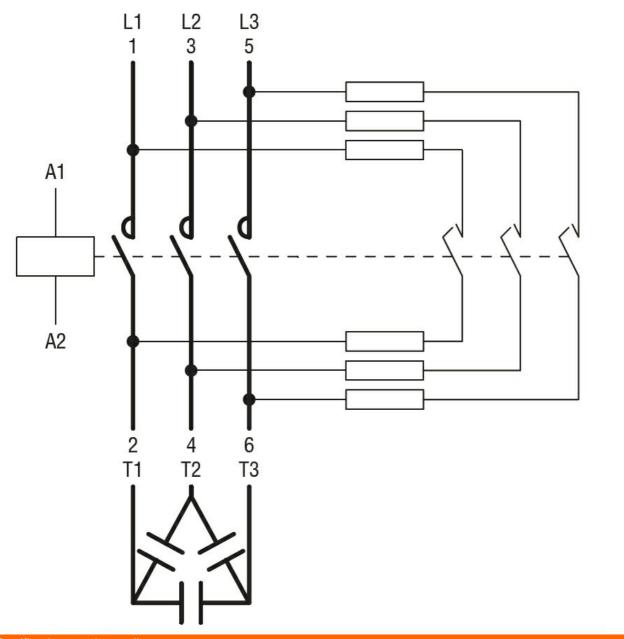
Wiring diagrams

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Certifications and compliance

Comp	

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	
	EAC	
ETIM classification		
		EC001079 -
ETIM 8.0		Capacitor

contactor