BFK3200A230



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 25KVAR, COIL 230VAC 50/60HZ



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	/			
		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)		А	320
Protection fuse				
		gG (IEC)	Α	63
Making capacity (RMS			Α	320
Breaking capacity at v	roltage			
		440V	А	256
		500V	А	240
		690V	А	192
Resistance per pole (a	average value)		mΩ	2
Power dissipation per	pole (average value)			
		lth	W	6
Tightening torque for t	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

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ENERGY AND AUTOMATION

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		max	mm²	10
	Flexible with insulated spade lug conductor			10
		min	mm²	1
		max	mm²	10
Power terminal prote	ction according to IEC/EN 60529			IP20 when properly wired
Mechanical features				
Operating position				
		normal allowable		Vertical plan ±30°
Fixing		allowable		Screw / DIN rail 35mm
Weight			g	400
Conductor section			9	100
	AWG/kcmil conductor section			
		max		6
Operations				
Mechanical life			cycles	2000000
Electrical life			cycles	1600000
Safety related data				
Performance level B	10d according to EN/ISO 13489-1			
		rated load	cycles	400000
		mechanical load	cycles	2000000
EMC compatibility				yes
AC coil operating Rated AC voltage at {			V	230
AC operating voltage			V	230
AC operating voltage	of 50/60Hz coil powered at 50Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
	<u> </u>	max	%Us	55
	of 50/60Hz coil powered at 60Hz			
	pick-up		%Us	95
		min max	%Us %Us	85 110
	drop-out	Παλ	/003	110
		min	%Us	20
		max	%Us	55
AC average coil cons	sumption at 20°C			
-	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	75
		holding	VA	9
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	70
		holding	VA	7
	of 60Hz coil powered at 60Hz			75
		in-rush	VA	75
Disaination at hall the		holding	VA	9
Dissipation at holding			W	2.5
Max cycles frequency Mechanical operation			cycles/h	3600
mechanical operation			cycles/n	3000

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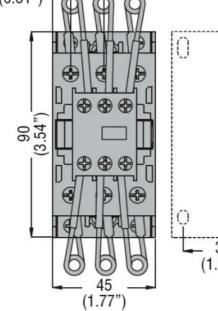


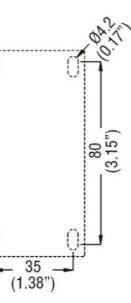
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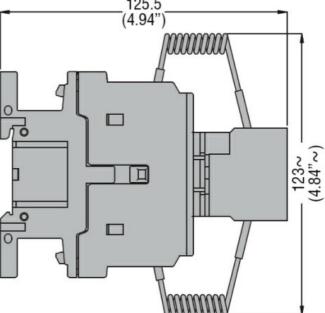
COIL 230VAC 50/60HZ

BFK3200A230

Operating times						
Average time for Us c						
	in AC					
		Closing NO				
			min	ms	8	
			max	ms	24	
		Opening NO			_	
			min	ms	5	
			max	ms	15	
		Closing NC	min		0	
			min	ms	9 20	
UL technical data			max	ms	20	
General USE						
	Contactor					
	Contactor		AC current	А	56	
Ambient conditions				73		
Temperature						
·	Operating temperature	Э				
			min	°C	-50	
			max	°C	70	
	Storage temperature					
			min	°C	-60	
			max	°C	80	
Max altitude				m	3000	
Resistance & Protecti	ion					
Pollution degree					3	
Dimensions						
	14.6		125.5			
7.9 - (0	0.57")	-	(4.94")			
(0.31")	0	200	n	ากกกกก	00	
H H		On it	10	100000	4	
		. 6.			//	







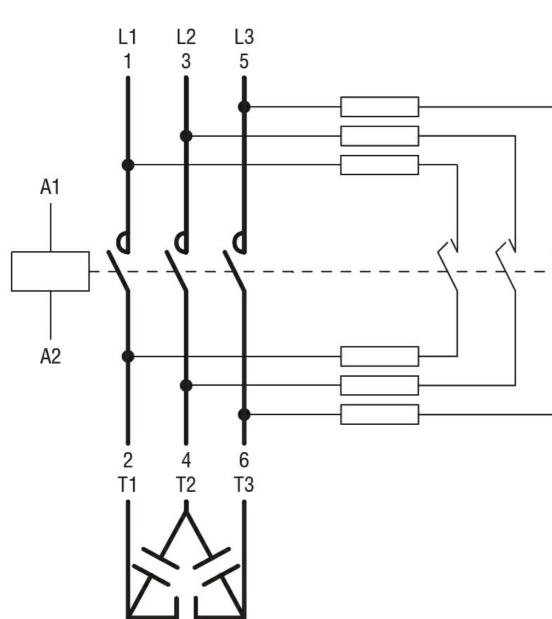
Wiring diagrams

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Certifications and compliance

Compl	liance
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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	
	EAC	
ETIM classification		
		EC001079 -
ETIM 8.0		Capacitor

contactor