BFK3200A04860



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 25KVAR, COIL 48VAC 60HZ



Product designation				Power contactor
Product type designat	ion			BFK32
Contact characteristic	S			
Number of poles			Nr.	3
Rated insulation voltage	ge Ui IEC/EN		V	690
Rated impulse withsta	nd voltage Uimp		kV	6
Operational frequency	<i>i</i>			
		min	Hz	25
		max	Hz	400
IEC Conventional free	air thermal current Ith		А	56
Rated operational pov	ver AC-6b (T≤40°C)			
		230V	kvar	14
		400V	kvar	25
		440480V	kvar	27.5
		690V	kvar	30
Short-time allowable of	current for 10s (IEC/EN60947-1)		А	320
Protection fuse				
		gG (IEC)	А	63
Making capacity (RMS	s value)		А	320
Breaking capacity at v	oltage			
		440V	А	256
		500V	А	240
		690V	А	192
Resistance per pole (a	average value)		mΩ	2
Power dissipation per	-			
		lth	W	6
Tightening torque for t	erminals			
5 5 1		min	Nm	2.5
		max	Nm	3
		min	lbin	1.8
		max	Ibin	2.2
Tightening torque for a	coil terminal		-	
5 4 5 1 4		min	Nm	0.8
		max	Nm	1
		min	Ibin	0.59
		max	Ibin	0.74
Max number of wires	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		max		6
	Flexible w/o lug conductor section	man		-
		min	mm²	2.5
		max	mm²	16
	Flexible c/w lug conductor section	max		
		min	mm²	1
		11111		I

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		max	mm²	10
	Flexible with insulated spade lug conductor section	max		
		min	mm²	1
		max	mm²	10
Power terminal protection	ion according to IEC/EN 60529			IP20 when properly wired
Mechanical features				
Operating position				
		normal owable		Vertical plan ±30°
Fixing				Screw / DIN rail 35mm
Weight			g	400
Conductor section				
	AWG/kcmil conductor section			
		max		6
Operations				
Mechanical life			cycles	2000000
Electrical life			cycles	1600000
Safety related data				
Performance level B10	d according to EN/ISO 13489-1			
		ed load	cycles	400000
	mechanic	al load	cycles	2000000
EMC compatibility				yes
AC coil operating				40
Rated AC voltage at 60	IHZ		V	48
AC operating voltage				
	of 60Hz coil powered at 60Hz pick-up			
		min	%Us	80
		max	%Us	110
	drop-out		0/11-	20
		min	%Us %Us	20
AC average coil consu	mation at 20°C	max	%08	55
AC average con consul	of 60Hz coil powered at 60Hz			
		in-rush	VA	75
Disalization of the UP		holding	VA	9
Dissipation at holding ≤			W	2.5
Max cycles frequency			cycles/h	2600
Mechanical operation Operating times			cycles/n	3000
Average time for Us co	ntrol			
werage une for 05 00	in AC			
	Closing NO			
		min	ms	8
		max	ms	24
		IIIaA		
	Opening NO	Παλ		
	Opening NO	min	ms	5
	Opening NO			5 15
	Opening NO Closing NC	min	ms	
		min	ms	

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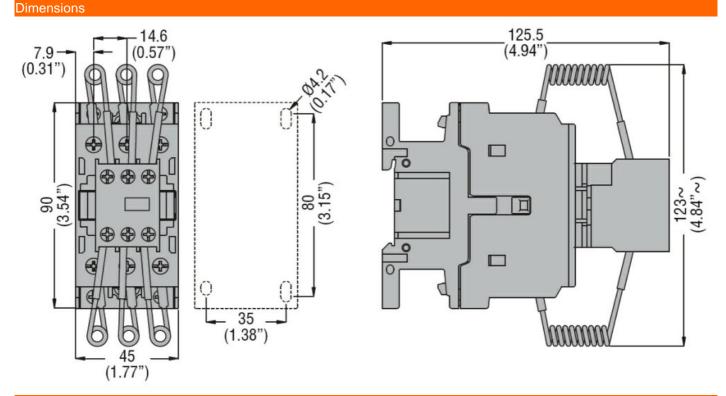
ENERGY AND AUTOMATION

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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

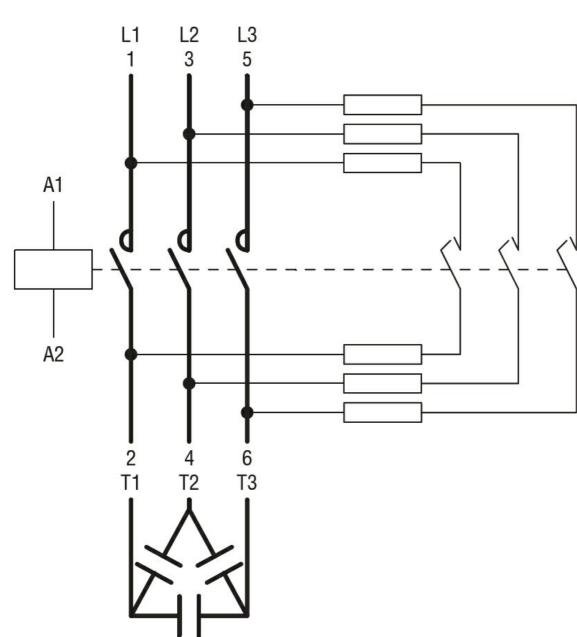


Wiring diagrams

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Certifications and compliance

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	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