## BFK3200A048



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 25KVAR, COIL 48VAC 50/60HZ



Draduat de signation				Devuer contector
Product designation				Power contactor
Product type designat				BFK32
Contact characteristic:			Nla	2
Number of poles			Nr.	3
Rated insulation voltage			V	690
Rated impulse withsta			kV	6
Operational frequency				
		min	Hz	25
		max	Hz	400
IEC Conventional free			A	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	value)	,	Α	320
Breaking capacity at v				
0 1 2	C .	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			<u> </u>
rightening terque for t		min	Nm	2.5
		max	Nm	3
		min	Ibin	1.8
		max	Ibin	2.2
Tightening torque for a	coil torminal	Παλ	IDIII	2.2
		min	Nm	0.8
			Nm	1
		max min	Ibin	0.59
		max	Ibin	0.74
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			0
		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		1
	max	mm²	10
· · · · ·	ction according to IEC/EN 60529		IP20 when properly wired
Mechanical features			
Operating position	normal		Vartical plan
	normal allowable		Vertical plan ±30°
Fixing			Screw / DIN rail 35mm
Weight		g	400
Conductor section		0	
	AWG/kcmil conductor section		
	max		6
Operations			
Mechanical life		cycles	2000000
Electrical life		cycles	1600000
Safety related data	I0d according to EN/ISO 13489-1		
	rated load	cycles	400000
	mechanical load	,	20000000
EMC compatibility		0,0.00	yes
AC coil operating			, ,
Rated AC voltage at 8	50/60Hz	V	48
AC operating voltage			
	of 50/60Hz coil powered at 50Hz pick-up		
	min		80
	max	%Us	110
	drop-out	0/11-	00
	min		20 55
	of 50/60Hz coil powered at 60Hz	7005	55
	pick-up		
	min	%Us	85
	max		110
	drop-out		
	min		20
	max	%Us	55
AC average coil cons	•		
	of 50/60Hz coil powered at 50Hz in-rush	VA	75
	holding		75 9
	of 50/60Hz coil powered at 60Hz	٧٨	5
	in-rush	VA	70
	holding		7
	of 60Hz coil powered at 60Hz		
	in-rush		75
	holding		9
Dissipation at holding		W	2.5
Max cycles frequency Mechanical operation		h	2000
		cycles/h	3600

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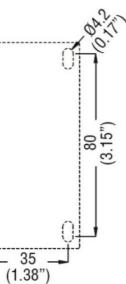
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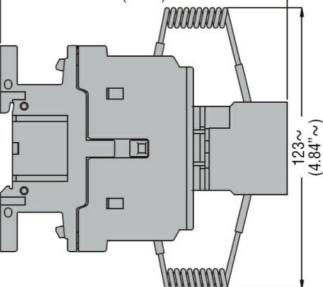
COIL 48VAC 50/60HZ

**BFK3200A048** 

Operating times						
Average time for Us co	ontrol					
	in AC					
		Closing NO				
		g	mi	n ms	8	
			ma		24	
		Opening NO				
		oponingrio	mi	n ms	5	
			ma		15	
		Closing NC	1112	IX 1113	10	
		Closing NC	mi	n me	9	
			ma	x ms	20	
UL technical data						
General USE						
	Contactor					
			AC curre	nt A	56	
Ambient conditions						
Temperature						
	Operating temperature	•				
			mi		-50	
			ma	x °C	70	
	Storage temperature					
	- ·		mi	n °C	-60	
			ma	x °C	80	
Max altitude				m	3000	
Resistance & Protectio	ึงท					
Pollution degree					3	
Dimensions					5	
Dimensions						
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		(3		日間		123~ (4.84"~

45 (1.77")





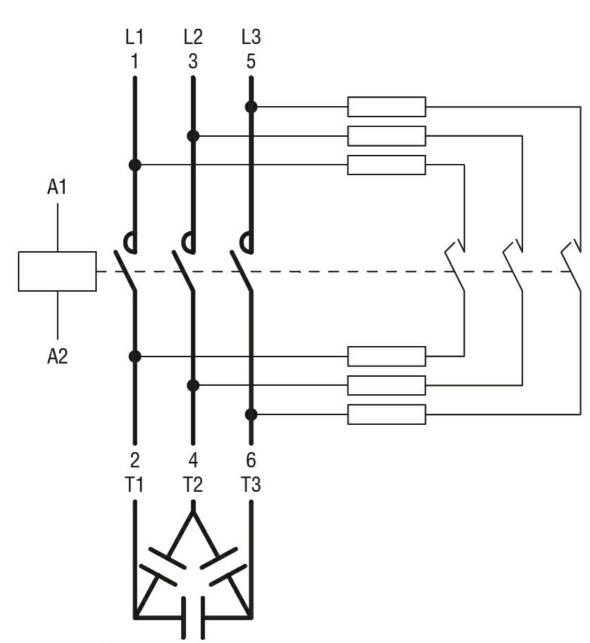
Wiring diagrams

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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