BFK9400A048



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



Product designation				Power contactor
Product type designat	ion			BFK94
Contact characteristic:	S			
Number of poles			Nr.	3
Rated insulation voltage	ge Ui IEC/EN		V	690
Rated impulse withsta	nd voltage Uimp		kV	8
Operational frequency				
		min	Hz	25
		max	Hz	400
IEC Conventional free	air thermal current Ith		А	115
Rated operational pov	ver AC-6b (T≤40°C)			-
		230V	kvar	34
		400V	kvar	60
		440480V	kvar	75
		690V	kvar	80
Short-time allowable of	current for 10s (IEC/EN60947-1)	0001	A	640
Protection fuse			~	040
FIDIECTIONIUSE			۸	125
Making appaaits (DMS		gG (IEC)	<u>A</u>	
Making capacity (RMS			A	950
Breaking capacity at v	onage	44014	٨	700
		440V	A	760
		500V	A	660
<u> </u>		690V	<u>A</u>	475
Resistance per pole (average value)			mΩ	0.6
Power dissipation per	pole (average value)			
		Ith	W	7.9
Tightening torque for t	erminals			
		min	Nm	4
		max	Nm	5
		min	lbin	2.95
		max	lbin	3.69
Tightening torque for a	coil terminal			
		min	Nm	0.8
		max	Nm	1
		min	lbin	0.8
		max	Ibin	0.74
Max number of wires	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		max		2
	Flexible w/o lug conductor section			
		min	mm²	1.5
		max	mm²	35
	Flexible c/w lug conductor section			
		min	mm²	1.5

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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		max	mm²	35
-	ion according to IEC/EN 60529			IP20 front
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30° Screw / DIN rail
Fixing				35mm
Weight			g	1090
Conductor section			9	
	AWG/kcmil conductor section			
		max		2
Operations				
Mechanical life			cycles	15000000
Electrical life			cycles	400000
Safety related data				
Performance level B10	0d according to EN/ISO 13489-1			
		rated load	cycles	400000
		mechanical load	cycles	15000000
EMC compatibility				yes
AC coil operating Rated AC voltage at 50			V	48
AC operating voltage	5/00112		v	40
AC operating voltage	of 50/60Hz coil powered at 50Hz			
	pick-up			
	plot 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	an in	0/110	20
		min	%Us %Us	20 55
AC average coil consu	motion at 20°C	max	/005	55
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	210
		holding	VA	15
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	195
		holding	VA	13
	of 60Hz coil powered at 60Hz			
		in-rush	VA	210
		holding	VA	15
Dissipation at holding ≤	≤20°C 50Hz		W	5
Max cycles frequency				0000
Mechanical operation			cycles/h	3600
Operating times	netrol			
Average time for Us co				
	in AC			

Closing NO

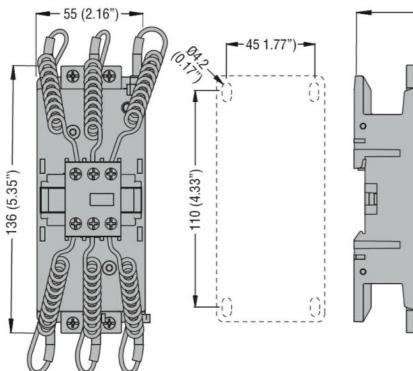
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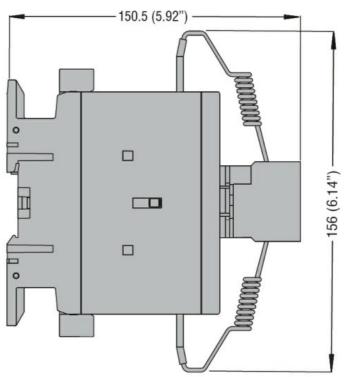


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			min	ms	12
			max	ms	28
		Opening NO	Thex	me	20
		oponing ito	min	ms	8
			max	ms	22
	in DC		тах	me	
		Closing NO			
			min	ms	40
			max	ms	85
		Opening NO			
		1 0	min	ms	20
			max	ms	55
UL technical data					
General USE					
	Contactor				
			AC current	А	115
Ambient conditions					
Temperature					
	Operating temperatu	re			
			min	°C	-50
			max	°C	70
	Storage temperature				
			min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protect	ion				
Pollution degree					3
Disconstant					

Dimensions





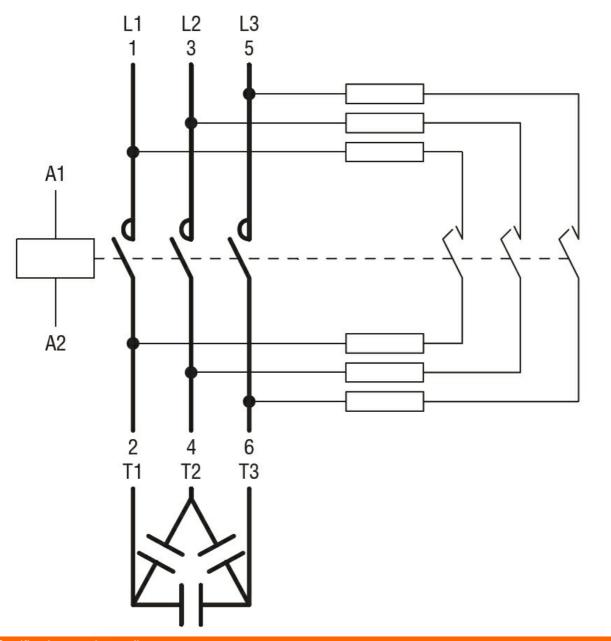
Wiring diagrams

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Certifications and compliance

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

ETIM classification

ETIM 8.0

EC001079 -Capacitor contactor

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