BFK9400A400



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



Product designation				Power contactor
Product type designat				BFK94
Contact characteristic	S			
Number of poles			Nr.	3
Rated insulation voltage 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)		А	640
Protection fuse				
		gG (IEC)	А	125
Making capacity (RMS	Svalue)		А	950
Breaking capacity at v	oltage			
		440V	А	760
		500V	А	660
		690V	А	475
Resistance per pole (average value)			mΩ	0.6
Power dissipation per				
		Ith	W	7.9
Tightening torque for t	erminals			
		min	Nm	4
		max	Nm	5
		min	Ibin	2.95
		max	Ibin	3.69
Tightening torque for o	coil terminal			
		min	Nm	0.8
		max	Nm	1
		min	Ibin	0.8
		max	lbin	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	Шах		
		min	mm²	1.5

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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 allowable		Vertical plan ±30°
Fixing		allowable		Screw / DIN rail 35mm
Weight			0	1090
Conductor section			g	1030
	AWG/kcmil conductor section			
		max		2
Operations		Пал		_
Mechanical life			cycles	15000000
Electrical life			cycles	400000
Safety related data			-,	
	0 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)/60Hz		V	400
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			
		min	%Us	20
		max	%Us	55
AC average coil consu				
	of 50/60Hz coil powered at 50Hz	•••••	١/٨	04.0
		in-rush	VA	210
	of E0/60Hz and new and at C01	holding	VA	15
	of 50/60Hz coil powered at 60Hz	in-rush	VA	195
		holding	VA VA	13
	of 60Hz coil powered at 60Hz	noiuing	۷۸	10
		in-rush	VA	210
		holding	VA VA	15
Dissipation at holding	≤20°C 50Hz	noiding	W	5
Max cycles frequency				~
Mechanical operation			cycles/h	3600
Operating times			5,000,11	
Average time for Us co	ontrol			
	in AC			

Closing NO

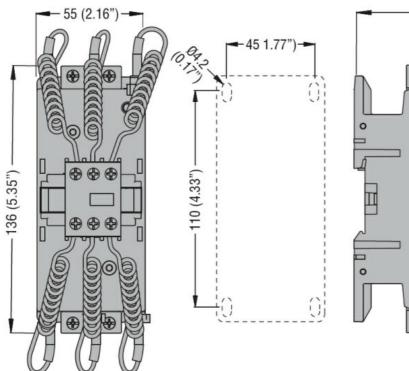
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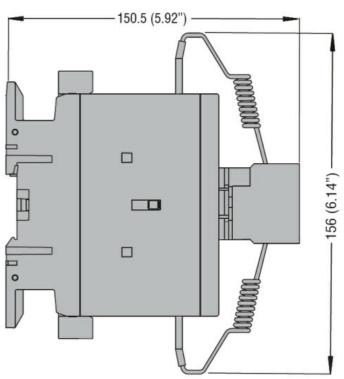


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			min	ms	12
			max	ms	28
		Opening NO	max	me	20
		oponing rec	min	ms	8
			max	ms	22
	in DC		IIIdA	1113	22
		Closing NO			
			min	ms	40
					85
			max	ms	00
		Opening NO			20
			min	ms	20
			max	ms	55
UL technical data					
General USE	_				
	Contactor				
			AC current	А	115
Ambient conditions					
Temperature					
	Operating temperatu	Ire			
			min	°C	-50
			max	°C	70
	Storage temperature)			
			min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protect	tion				
Pollution degree					3
Disconsistent					

Dimensions





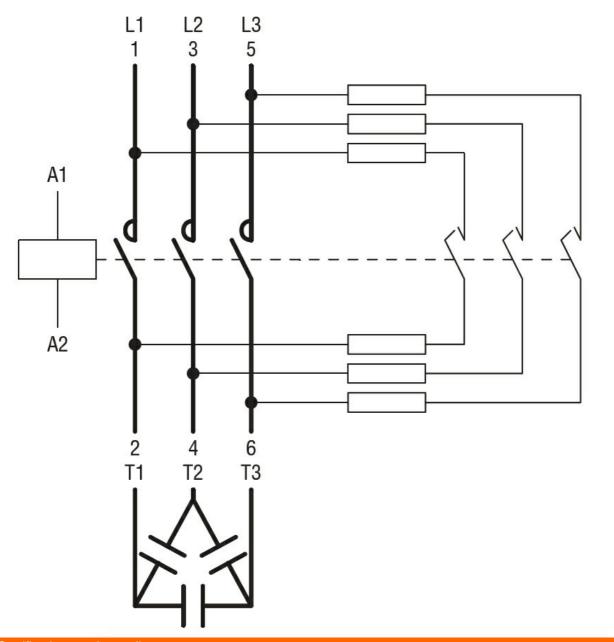
Wiring diagrams

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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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