BFK9500A230



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



Deschust de sign stien			Deverse exercise
Product designation			Power contactor BFK95
Product type designation Contact characteristics			DFK90
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	8
		KV	0
Operational frequency			25
	min	Hz	25
IFO Convertional free sinthermal surrent lith	max	Hz	400
IEC Conventional free air thermal current Ith		A	140
Rated operational power AC-6b (T≤40°C)	000)/		0.4
	230V	kvar	34
	400V	kvar	60
	440480V	kvar	75
	690V	kvar	80
Short-time allowable current for 10s (IEC/EN60947-1)		A	760
Protection fuse			
	gG (IEC)	A	125
Making capacity (RMS value)		A	1200
Breaking capacity at voltage			
	440V	A	1100
	500V	A	775
	690V	A	745
Resistance per pole (average value)		mΩ	0.45
Power dissipation per pole (average value)			
	lth	W	8.8
Tightening torque for terminals			
	min	Nm	6
	max	Nm	7
	min	lbin	4.4
	max	lbin	5.2
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		2/0
Flexible w/o lug conductor section			
	min	mm²	1.5
	max	mm²	70
Flexible c/w lug conductor section			
	min	mm²	1.5

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		max	mm²	70
Power terminal protect	ion according to IEC/EN 60529			IP20 front
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight			g	2095
Conductor section				
	AWG/kcmil conductor section			
		max		2/0
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	1500000
EMC compatibility				yes
AC coil operating				2020
Rated AC voltage at 50)/60Hz		V	230
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up		0/11-	00
		min	%Us	80
	drop out	max	%Us	110
	drop-out	min	%Us	20
		max	%Us	55
	of 50/60Hz coil powered at 60Hz	Пах	/000	00
	pick-up			
	plott up	min	%Us	85
		max	%Us	110
	drop-out			
		min	%Us	40
		max	%Us	55
AC average coil consu	mption at 20°C			
	of 50/60Hz coil powered at 50Hz			
		holding	VA	20
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	300
		holding	VA	17
	of 60Hz coil powered at 60Hz			
		in-rush	VA	300
		holding	VA	20
Dissipation at holding ≤	S20°C 50Hz		W	6.5
Max cycles frequency				1500
Mechanical operation			cycles/h	1500
Operating times				
Average time for Us co				
	in AC			
	Closing NO	min		16

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min

16

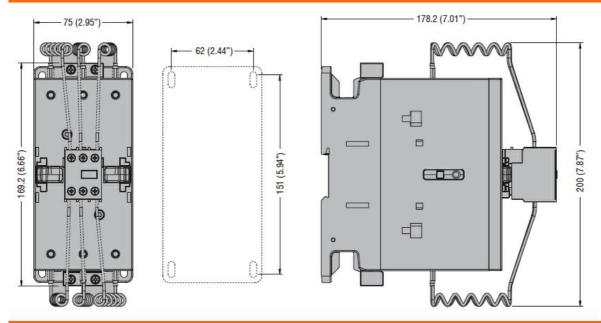
ms

ENERGY AND AUTOMATION

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		Opening NO	max	ms	32
			min	ms	9
			max	ms	24
UL technical data					
General USE					
	Contactor				
			AC current	А	140
Ambient conditions					
Temperature					
	Operating temperature	Э			
			min	°C	-50
			max	°C	70
	Storage temperature				
			min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protecti	on				
Pollution degree					3
Dimensions					

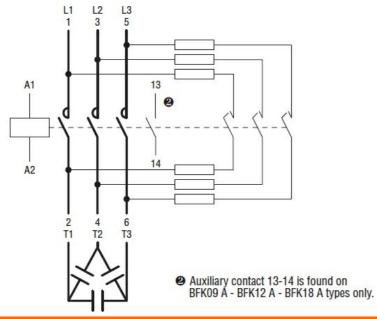


Wiring diagrams

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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	
Certificates		
	000	
	cULus	
ETIM classification		

ETIM 8.0

EC001079 -Capacitor contactor