

CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 60KVAR, COIL 24VAC 50/60HZ



Product designation				Power contactor
Product type designati				BFK95
Contact characteristics				
Number of poles			Nr.	3
Rated insulation voltag	e Ui IEC/EN		V	690
Rated impulse withstar	nd voltage Uimp		kV	8
Operational frequency				
		min	Hz	25
		max	Hz	400
IEC Conventional free	air thermal current Ith		Α	140
Rated operational pow	ver AC-6b (T≤40°C)			_
		230V	kvar	34
		400V	kvar	60
		440480V	kvar	75
		690V	kvar	80
Short-time allowable c	urrent for 10s (IEC/EN60947-1)		Α	760
Protection fuse	,			
		gG (IEC)	Α	125
Making capacity (RMS	value)	· · · · · · · · · · · · · · · · · · ·	Α	1200
Breaking capacity at vo				_
0 1 7		440V	Α	1100
		500V	Α	775
		690V	Α	745
Resistance per pole (a		mΩ	0.45	
Power dissipation per pole (average value)				
	,	Ith	W	8.8
Tightening torque for to	erminals			
		min	Nm	6
		max	Nm	7
		min	lbin	4.4
		max	lbin	5.2
Tightening torque for c	oil terminal			
		min	Nm	0.8
		max	Nm	1
		min	lbin	0.59
		max	Ibin	0.74
Max number of wires s	imultaneously connectable	max	Nr.	2
Conductor section	mindical codesty controcation			
Conductor Socion	AWG/Kcmil			
	AW O/Normi	max		2/0
	Flexible w/o lug conductor section	IIIdA		<i>L</i> U
	i leviple mio lud colludciol section	min	mm²	1.5
				70
	Florible of what conductor costion	max	mm²	10
	Flexible c/w lug conductor section	min	mm²	1 5
		min	mm²	1.5





BFK9500A024

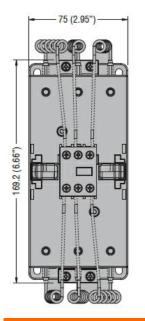
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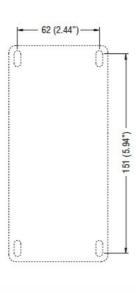
Power terminal protection according to IEC/EN 60529 P20 front Mechanical flatures P20 front Mechanical flatures P20 front P20 f			max	mm²	70
Persisting position	Power terminal protect	tion according to IEC/EN 60529			IP20 front
Prixing Pri					
State Stat	Operating position				
Meight Some					
Conductor section	Fixing				
Conductor section	Weight			g	
Mechanical life	Conductor section			_	
Operations Mechanical life cycles 15000000 Electrical life cycles 400000 Safety related data Performance level B10d according to EN/ISO 13489-1 rated load mechanical load mechanical load ocycles 400000 EMC compatibility yes AC coil operating yes Rated AC voltage at 50/60Hz y 24 AC operating voltage min %Us 80 fob/60Hz coil powered at 50Hz min %Us 110 drop-out min %Us 20 max %Us 110 drop-out min %Us 85 max %Us 110 drop-out min %Us 85 drop-out min %Us 85 drop-out min %Us 85 drop-out min %Us 85 AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz holding VA 20 AC average coil consu		AWG/kcmil conductor section			
Mechanical life			max		2/0
Electrical life	· ·				
Safety related data Performance level B10d according to EN/ISO 13489-1 rated load cycles 400000 1500000000 150000000 150000000 150000000 1500000000 150000000000				-	
Performance level B10d according to EN/ISO 13489-1 rated load mechanical load ovcles 400000 ovcles 4000000 ovcles 4000000 ovcles 4000000 ovcles 4000000 ovcles 4000000 ovcles 40000000 ovcles 4000000000 ovcles 400000000000 ovcles 4000000000000000000000000000000000000				cycles	400000
EMC compatibility AC coil operating Rated AC voltage at 50/60Hz AC operating voltage of 50/60Hz coil powered at 50Hz pick-up min		0d according to FN//CO 42400 4			
EMC compatibility AC coil operating Rated AC voltage at 50/60Hz of 50/60Hz coil powered at 50Hz pick-up drop-out min	renormance level B10	ou according to EIV/150 13489-1	rated load	cyclos	400000
EMC compatibility yes AC coil operating AC coil operating Rated AC voltage at 50/60Hz 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 40 max %Us 55 AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz in-rush 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 17 of 60Hz coil powered at 60Hz in-rush VA 300 holding VA 20 Dissipation at holding ≤20°C 50Hz W 6.5 Max cycles frequency Mechanical operation cycles/h 1500 Operating times Average time for Us control in AC Closing NO				-	
AC coil operating Rated AC voltage at 50/60Hz V 24 AC operating voltage of 50/60Hz coil powered at 50Hz pick-up min wull will will will will will will will	FMC compatibility		medianica ioau	Сустез	
Rated AC voltage at 50/60Hz AC operating voltage of 50/60Hz coil powered at 50Hz pick-up min max max must max max must must max must must must must must must must must					
AC operating voltage of 50/60Hz coil powered at 50Hz pick-up min		0/60Hz		V	24
Pick-up min Mus 80 max Mus 110 Mus					
Min		of 50/60Hz coil powered at 50Hz			
Max Mus 110		pick-up			
drop-out min %Us 20			min		
Min			max	%Us	110
Max Mus 55		drop-out			
of 50/60Hz coil powered at 60Hz pick-up min %Us 85 max %Us 110 drop-out min %Us 40 max 70Us 55 AC average coil consumption 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 VA 20 Dissipation at holding S20°C 50Hz Max cycles frequency Mechanical operation Closing NO Closing NO					
Pick-up min %Us 85 max %Us 110		of FO/COLLE and a country of the COLLE	max	%US	55
min max MUs 85 max MUs 110		•			
Max WUs 110 Min Mus 40 Min Mus 55		ρισκ-αρ	min	% s	85
AC average coil consumption at 20°C Of 50/60Hz coil powered at 50Hz Nolding VA 20					
min max %Us but with state of the sta		drop-out		,,,,,	
AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz 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 ≤20°C 50Hz Max cycles frequency Mechanical operation Operating times Average time for Us control in AC Closing NO		·	min	%Us	40
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holding VA 20	AC average coil consu				
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 ≤20°C 50Hz W 6.5 Max cycles frequency Mechanical operation cycles/h 1500 Operating times Average time for Us control in AC Closing NO		of 50/60Hz coil powered at 50Hz			
in-rush VA 300 holding VA 17 of 60Hz coil powered at 60Hz in-rush VA 300 holding VA 20 Dissipation at holding ≤20°C 50Hz W 6.5 Max cycles frequency Mechanical operation cycles/h 1500 Operating times Average time for Us control in AC Closing NO			holding	VA	20
holding VA 17		of 50/60Hz coil powered at 60Hz			222
of 60Hz coil powered at 60Hz in-rush VA 300 holding VA 20 Dissipation at holding ≤20°C 50Hz W 6.5 Max cycles frequency Mechanical operation Cycles/h 1500 Operating times Average time for Us control in AC Closing NO					
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boldingVA20Dissipation at holding ≤20°C 50HzW6.5Max cycles frequencyWechanical operationcycles/h1500Operating timesAverage time for Us control in ACClosing NO		or our iz con powered at ounz	in-ruch	\/Δ	300
Dissipation at holding ≤20°C 50Hz Max cycles frequency Mechanical operation Operating times Average time for Us control in AC Closing NO					
Max cycles frequency Mechanical operation cycles/h 1500 Operating times Average time for Us control in AC Closing NO	Dissipation at holding	≤20°C 50Hz	Holding		
Mechanical operation cycles/h 1500 Operating times Average time for Us control in AC Closing NO					
Operating times Average time for Us control in AC Closing NO				cycles/h	1500
in AC Closing NO	-				
Closing NO	Average time for Us co	ontrol			
· · · · · · · · · · · · · · · · · · ·					
min ms 16		Closing NO			
			min	ms	16

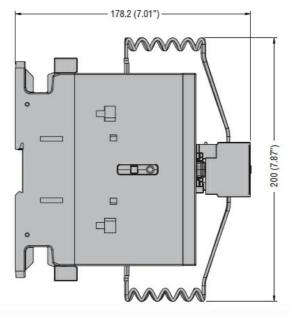


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		Opening NO	max	ms	32
			min	ms	9
			max	ms	24
UL technical data					
General USE					
	Contactor				
			AC current	Α	140
Ambient conditions					
Temperature					
	Operating temperature)			
			min	°C	-50
			max	°C	70
	Storage temperature				
			min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







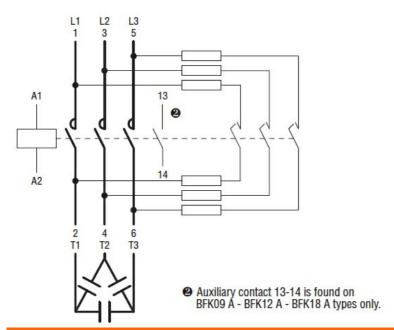
Wiring diagrams



INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 60KVAR, **ENERGY AND AUTOMATION**

CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT,

COIL 24VAC 50/60HZ



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

CCC

cULus

ETIM classification

ETIM 8.0

BFK9500A024

EC001079 -Capacitor contactor