BFK9500A04860

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



Product designation			Power contactor
Product type designation			BFK95
Contact characteristics			
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		A	140
Rated operational power AC-6b (T≤40°C)			
	230V	kvar	34
	400V	kvar	60
	440…480V	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)			
	Ith	W	8.8
Tightening torque for terminals			
	min	Nm	6
	max	Nm	7
	min	Ibin	4.4
	max	Ibin	5.2
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	Ibin	0.59
	max	Ibin	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 protection 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 B10d according to EN/ISO 13489-1					
			rated load	cycles	400000
			mechanical load	cycles	15000000
EMC compatibility					yes
AC coil operating					
Rated AC voltage at 60Hz				V	48
AC operating voltage					
	of 60Hz coil powered at 60Hz				
		pick-up			
			min	%Us	80
			max	%Us	110
		drop-out			
			min	%Us	20
			max	%Us	55
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			
			min	ms	16
			max	ms	32
		Opening NO			
			min	ms	9
			max	ms	24
UL technical data					
General USE					
	Contactor				
			AC current	A	140
Ambient conditions					
Temperature					
	Operating temperature				
			min	°C	-50
			max	°C	70
	Storage temperature				
			min	°C	-60
			max	°C	80

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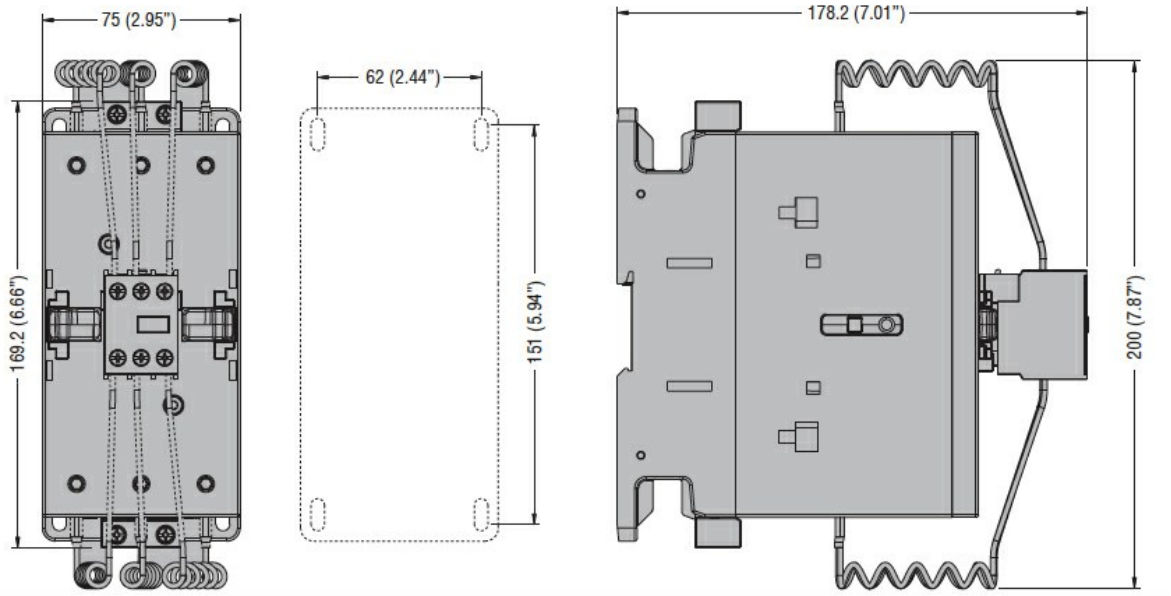
Max altitude	m	3000

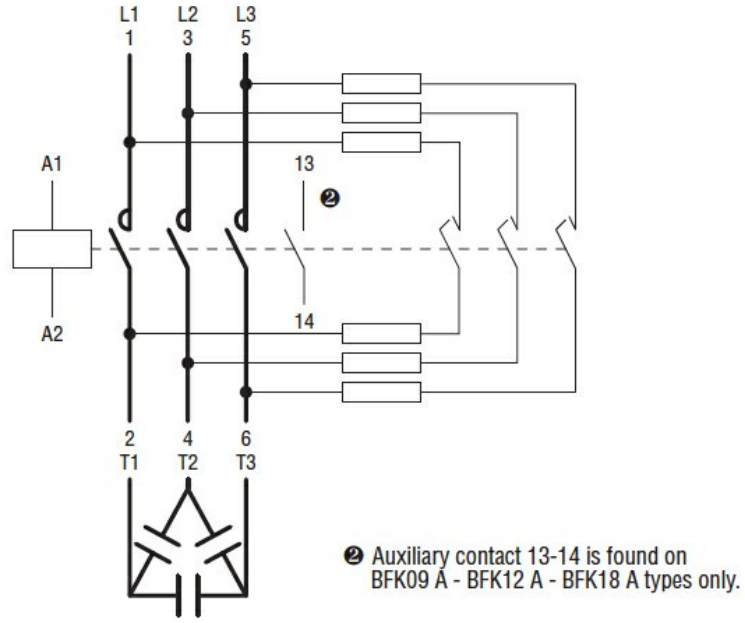
Resistance & Protection

Pollution degree	3

Dimensions



Wiring diagrams



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

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ETIM 8.0	EC001079 - Capacitor contactor

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