# BFK9400A02460



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



Product designation				Power contactor
Product type designation	tion			BFK94
Contact characteristic	S			
Number of poles			Nr.	3
Rated insulation volta	ge Ui IEC/EN		V	690
Rated impulse withsta			kV	8
Operational frequency	· · ·			
		min	Hz	25
		max	Hz	400
IEC Conventional free	e air thermal current Ith		А	115
Rated operational pov	wer AC-6b (T≤40°C)			-
· · · · · · · · · · · · · · · · · · ·		230V	kvar	34
		400V	kvar	60
		440480V	kvar	75
		690V	kvar	80
Short-time allowable	current for 10s (IEC/EN60947-1)	0001	A	640
Protection fuse				010
		gG (IEC)	А	125
Making capacity (RMS	S value)	g0 (IE0)	A	950
Breaking capacity at v	-		Α	550
Dieaking capacity at v	onage	440V	А	760
		440V 500V	A	660
		690V	A	475
Resistance per pole (		0907	mΩ	0.6
Power dissipation per			11122	0.0
Fower dissipation per	pole (average value)	146	14/	7.0
Tightoning to your fax.	terminale	Ith	W	7.9
Tightening torque for	terminals		Nhaa	4
		min	Nm	4
		max	Nm	5
		min	Ibin	2.95
		max	Ibin	3.69
Tightening torque for	coil terminal			
		min	Nm	0.8
		max	Nm	1
		min	Ibin	0.8
		max	Ibin	0.74
	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			
			mm2	1 5

BFK9400A02460 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

mm²

min

1.5



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT,

BFK9400A02460

INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 60KVAR, COIL 24VAC 60HZ max mm² 35

Power terminal protect	tion according to IEC/E	N 60529			IP20 front
Mechanical features					
Operating position					
			normal		Vertical plan
			allowable		±30°
Fixing					Screw / DIN rail
					35mm
Weight				g	1090
Conductor section					
	AWG/kcmil conductor	r section			
			max		2
Operations					
Mechanical life				cycles	15000000
Electrical life				cycles	400000
Safety related data					
Performance level B10	Dd according to EN/ISC	0 13489-1			
			rated load	cycles	400000
			mechanical load	cycles	15000000
EMC compatibility					yes
AC coil operating					
Rated AC voltage at 60	OHz			V	24
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
AC average coil consu	imption at 20°C				
	of 60Hz coil powered	at 60Hz			
			in-rush	VA	210
			holding	VA	15
Dissipation at holding	≤20°C 50Hz			W	5
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us co	ontrol				
	in AC				
		Closing NO			
			min	ms	12
			max	ms	28
		Opening NO			
			min	ms	8
			max	ms	22
	in DC				
		Closing NO			
			min	ms	40
			max	ms	85
		Opening NO			
			min	ms	20
			max	ms	55
UL technical data					

BFK9400A02460 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

ENERGY AND AUTOMATION

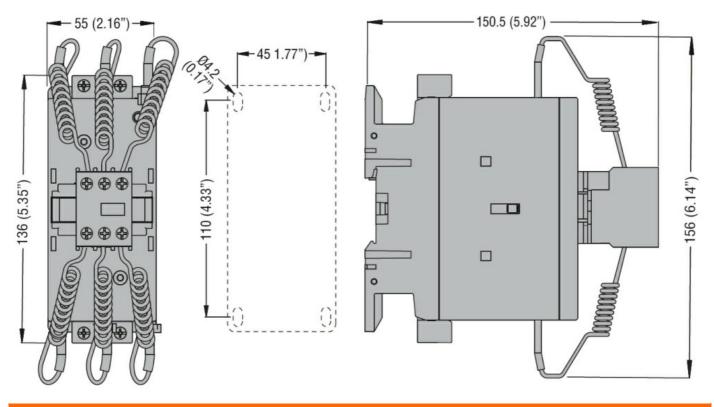
CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 60KVAR, COIL 24VAC 60HZ

BFK9400A02460

#### General USE

Dimensions

	Contactor			
		AC current	А	115
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Protec	tion			
Pollution degree				3



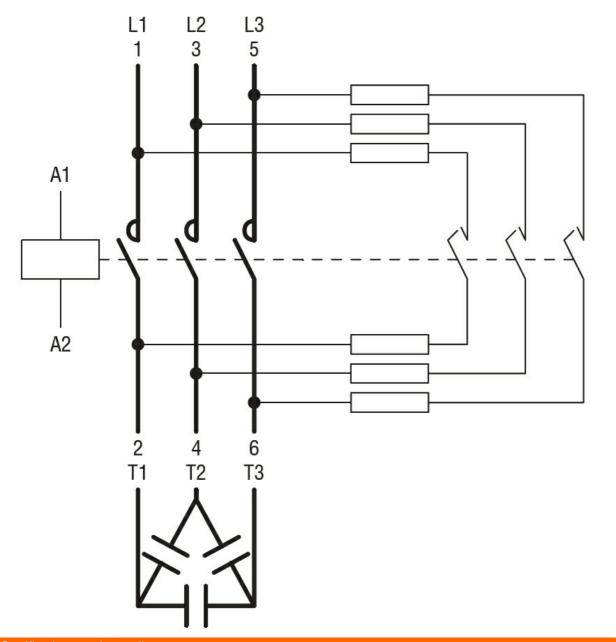
Wiring diagrams

BFK9400A02460



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

### ETIM classification

### **ETIM 8.0**

EC001079 -Capacitor contactor