





Product designation			Power contactor
Product type designation			BFK94
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		Α	115
Rated operational power AC-6b (T≤40°C)			
Traise operational power rice of (1=10 c)	230V	kvar	34
	400V	kvar	60
	440480V	kvar	75
	690V	kvar	80
Short-time allowable current for 10s (IEC/EN60947-1)	090 V	A	640
		A	040
Protection fuse	**O (IEO)	۸	405
Malian and the Application (DMO) at all all	gG (IEC)	A	125
Making capacity (RMS value)		Α	950
Breaking capacity at voltage		_	
	440V	Α	760
	500V	Α	660
	690V	Α	475
Resistance per pole (average value)		mΩ	0.6
Power dissipation per pole (average value)			
	Ith	W	7.9
Tightening torque for terminals			
	min	Nm	4
	max	Nm	5
	min	lbin	2.95
	max	lbin	3.69
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	lbin	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			•
. Ionibio ti/o tag doridadioi doditoii	min	mm²	1.5
	max	mm²	35
Flexible c/w lug conductor section	max		
1 loxible of wind contractor section	min	mm²	1.5
	111111	111111	1.0





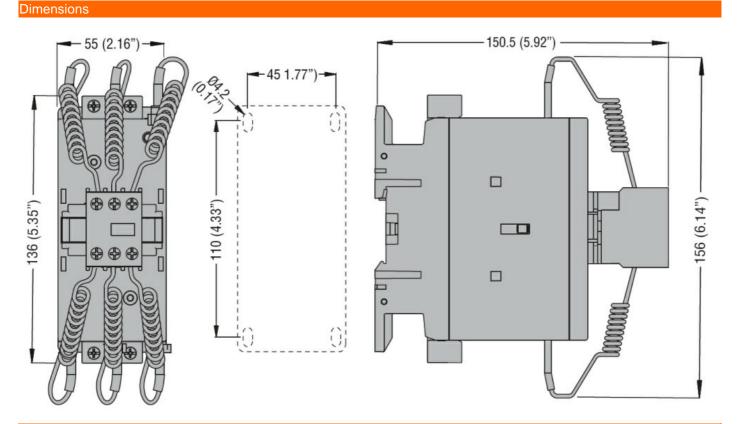
		max	mm²	35
Power terminal protect	ion according to IEC/EN 60529			IP20 front
Mechanical features				
perating position				
		normal		Vertical plan
		allowable		±30°
ixing				Screw / DIN rail
				35mm
Veight			g	1090
Conductor section				
	AWG/kcmil conductor section			_
		max		2
Operations				
Mechanical life			cycles	15000000
lectrical life			cycles	400000
Safety related data)			
'errormance level B10	d according to EN/ISO 13489-1		1	400000
		rated load	cycles	400000
IMO a superatile lite .		mechanical load	cycles	15000000
MC compatibility				yes
C coil operating	2/60U=		V	110
Rated AC voltage at 50	J/6UHZ		V	110
C operating voltage	of FO/GOLLZ and powered at FOLLZ			
	of 50/60Hz coil powered at 50Hz			
	pick-up	min	%Us	80
		max	%Us	110
	drop-out	IIIdx	7003	110
	diop 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
C average coil consu	mption at 20°C			
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	210
		holding	VA	15
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	195
		holding	VA	13
	of 60Hz coil powered at 60Hz			
		in-rush	VA	210
<u> </u>	10000 5011	holding	VA	15
Dissipation at holding :	≤20°C 50Hz		W	5
Max cycles frequency			. "	0000
Mechanical operation			cycles/h	3600
perating times				
verage time for Us co	ontrol in AC			

in AC

Closing NO

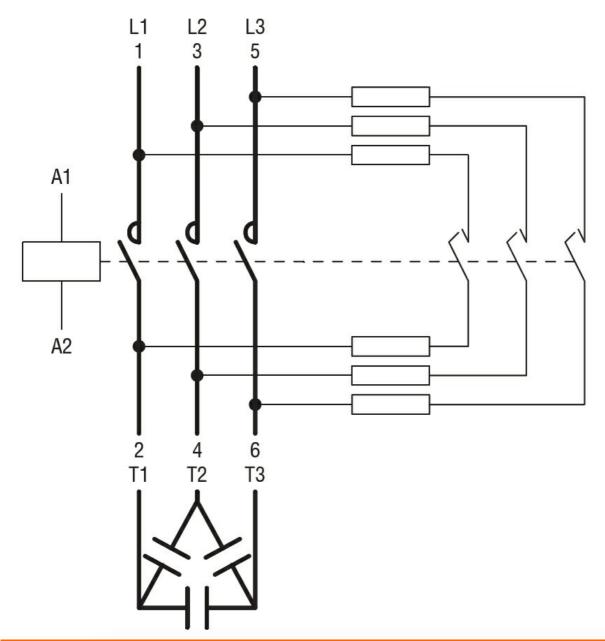


			min	ms	12
			max	ms	28
		Opening NO			
			min	ms	8
			max	ms	22
	in DC				
		Closing NO			
		3	min	ms	40
			max	ms	85
		Opening NO			
			min	ms	20
			max	ms	55
UL technical data					
General USE					
	Contactor				
			AC current	Α	115
Ambient conditions					
Temperature					
	Operating temperature				
			min	°C	-50
			max	°C	70
	Storage temperature				
			min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protection	n				
Pollution degree					3



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

ETIM classification

ETIM 8.0

EC001079 -Capacitor contactor