



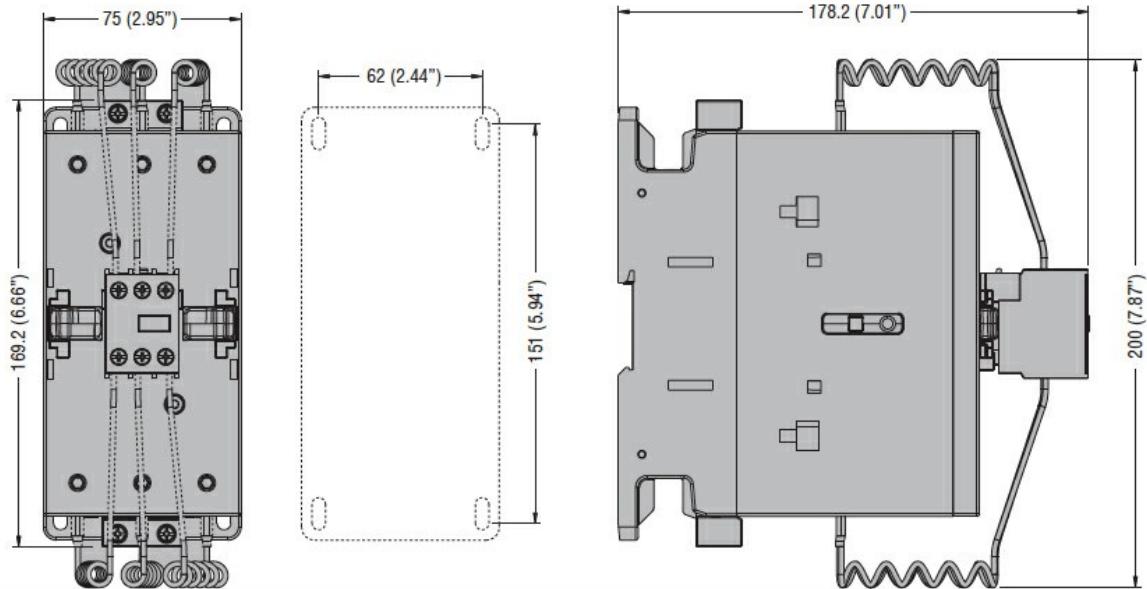
Product designation	Power contactor		
Product type designation	BFK95		
Contact characteristics			
Number of poles	Nr.	3	
Rated insulation voltage U_i IEC/EN	V	690	
Rated impulse withstand voltage U_{imp}	kV	8	
Operational frequency	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current I_{th}	A	140	
Rated operational power AC-6b ($T \leq 40^\circ C$)	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)		$m\Omega$	0.45
Power dissipation per pole (average value)	I_{th}	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	mm^2	1.5
	max	mm^2	70
Flexible c/w lug conductor section	min	mm^2	1.5

	max	mm ²	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				
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	120				
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						
Rated operational voltage AC (UL)	V	600				
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			
Max altitude	m	3000				
Resistance & Protection						

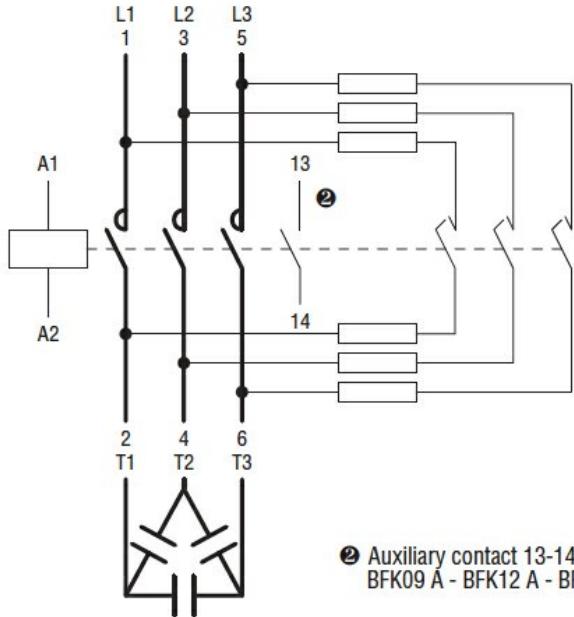
Pollution degree

3

Dimensions



Wiring diagrams



② Auxiliary contact 13-14 is found on
BFK09 A - BFK12 A - BFK18 A types only.

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

EC001079 -
Capacitor
contactor

