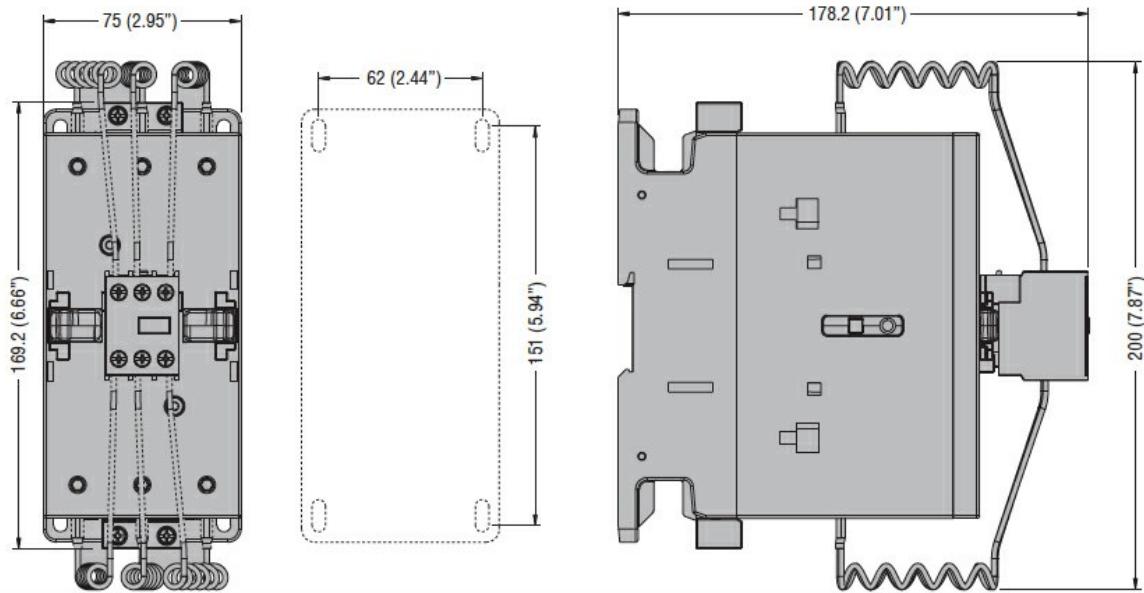




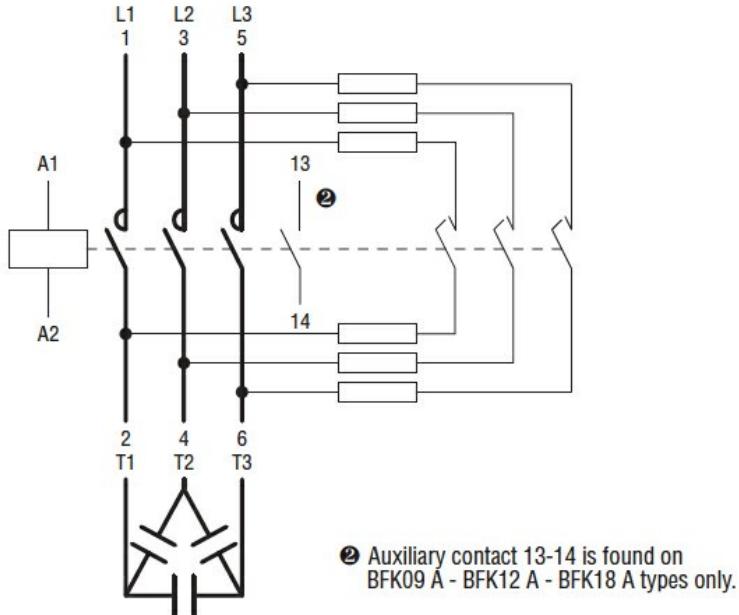
Product designation	Power contactor		
Product type designation	BFK115		
<b>Contact characteristics</b>			
Number of poles	Nr.	3	
Rated insulation voltage $U_i$ IEC/EN	V	690	
Rated impulse withstand voltage $U_{imp}$	kV	8	
Operational frequency	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current $I_{th}$		A	160
Rated operational power AC-6b ( $T \leq 40^\circ C$ )	230V	kvar	45
	400V	kvar	75
	440...480V	kvar	85
	690V	kvar	135
Short-time allowable current for 10s (IEC/EN60947-1)		A	920
Protection fuse	gG (IEC)	A	160
Making capacity (RMS value)		A	1500
Breaking capacity at voltage	440V	A	1200
	500V	A	850
	690V	A	905
Resistance per pole (average value)		$m\Omega$	0.45
Power dissipation per pole (average value)	$I_{th}$	W	11.5
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 <sup>2</sup>	70
Power terminal protection according to IEC/EN 60529			IP20 front
<b>Mechanical features</b>			
Operating position	normal allowable		Vertical plan ±30°
Fixing			Screw / DIN rail 35mm
Weight	g	2095	
<b>Operations</b>			
Mechanical life	cycles	15000000	
Electrical life	cycles	1200000	
<b>Safety related data</b>			
Performance level B10d according to EN/ISO 13489-1	rated load mechanical load	cycles	1200000 15000000
EMC compatibility			yes
<b>AC coil operating</b>			
Rated AC voltage at 60Hz	V	220	
AC operating voltage	of 60Hz coil powered at 60Hz		
	pick-up	min max	%Us 80 %Us 110
	drop-out	min max	%Us 20 %Us 55
<b>Max cycles frequency</b>			
Mechanical operation		cycles/h	1500
<b>Operating times</b>			
Average time for Us control	in AC		
	Closing NO	min max	ms 16 ms 32
	Opening NO	min max	ms 9 ms 24
<b>UL technical data</b>			
Rated operational voltage AC (UL)	V	600	
<b>General USE</b>			
Contactor	AC current	A	160
<b>Ambient conditions</b>			
Temperature	Operating temperature	min max	°C -50 °C 70
	Storage temperature	min max	°C -60 °C 80
Max altitude		m	3000
<b>Resistance &amp; Protection</b>			
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

### ETIM 8.0

EC001079 -  
Capacitor  
contactor