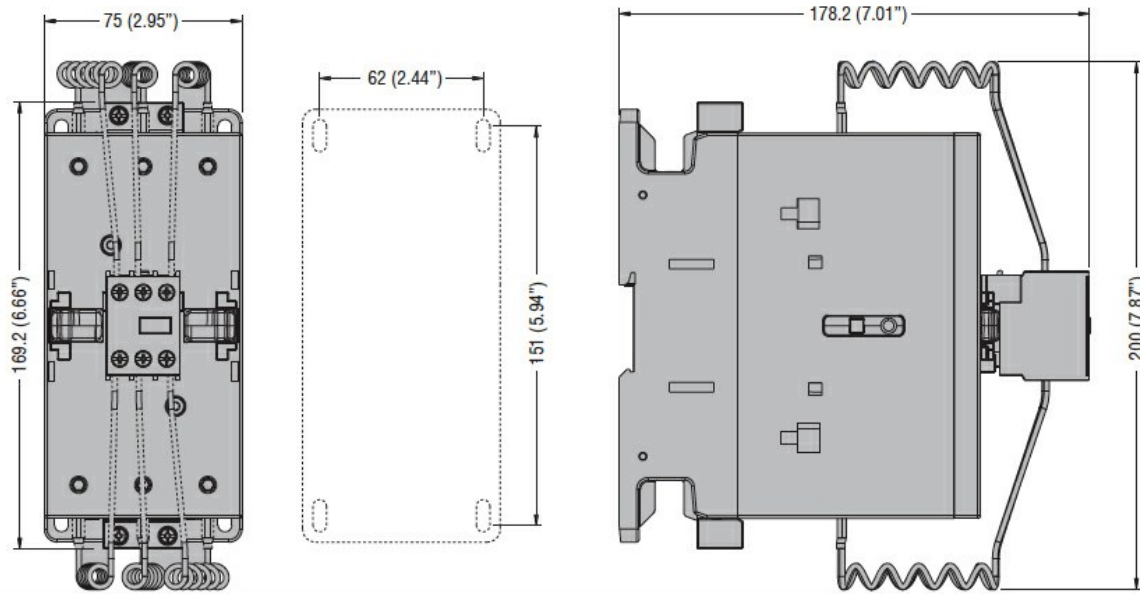




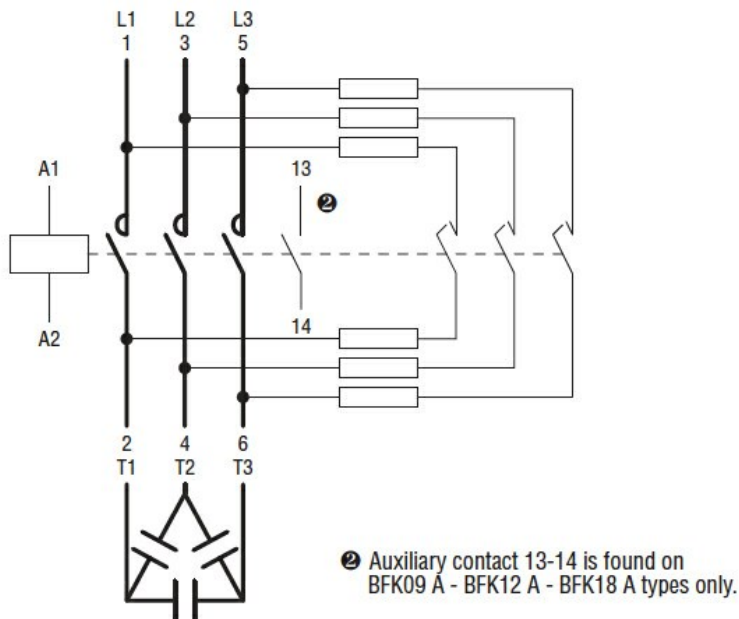
Product designation			Power contactor
Product type designation			BFK115
Contact characteristics			
Number of poles	Nr.	3	
Rated insulation voltage Ui IEC/EN	V	690	
Rated impulse withstand voltage Uimp	kV	8	
Operational frequency	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	A	160	
Rated operational power AC-6b (T≤40°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
		A	1500
Making capacity (RMS value)			
Breaking capacity at voltage	440V	A	1200
	500V	A	850
	690V	A	905
Resistance per pole (average value)	mΩ	0.45	
Power dissipation per pole (average value)	Ith	W	11.5
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

		max	mm²	70
Power terminal protection according to IEC/EN 60529				IP20 front
Mechanical features				
Operating position		normal allowable		Vertical plan ±30°
Fixing				Screw / DIN rail 35mm
Weight		g		2095
Operations				
Mechanical life		cycles		15000000
Electrical life		cycles		1200000
Safety related data				
Performance level B10d according to EN/ISO 13489-1		rated load mechanical load		cycles 1200000 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
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 160
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



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