



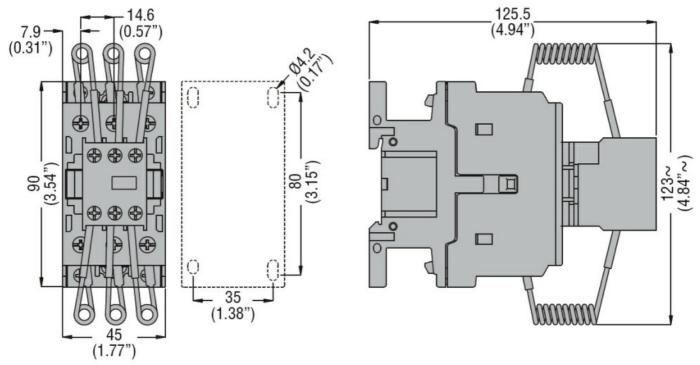
Product designation				Power contactor
Product type designat				BFK38
Contact characteristic	S			
Number of poles			Nr.	3
Rated insulation voltage	-		V	690
Rated impulse withsta			kV	6
Operational frequency	1			
		min	Hz	25
		max	Hz	400
IEC Conventional free	air thermal current Ith		Α	56
Rated operational power AC-6b (T≤40°C)				
		230V	kvar	17
		400V	kvar	30
		440480V	kvar	33
		690V	kvar	36
Short-time allowable of	current for 10s (IEC/EN60947-1)		Α	320
Protection fuse				
		gG (IEC)	Α	63
Making capacity (RMS	S value)		Α	380
Breaking capacity at v	roltage			
	-	440V	Α	304
		500V	Α	240
		690V	Α	192
Resistance per pole (a	average value)		mΩ	2
Power dissipation per pole (average value)				
		Ith	W	6
Tightening torque for terminals				_
		min	Nm	2.5
		max	Nm	3
		min	lbin	1.8
		max	lbin	2.2
Tightening torque for o	coil terminal			
5 5 1		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	y 			
	AWG/Kcmil			
	-,	max		6
	Flexible w/o lug conductor section	max		
		min	mm²	2.5
		max	mm²	16
	Flexible c/w lug conductor section	max		
	1 IOAIDIO OF WIND OCHOUN GOOLIOTI	min	mm²	1
		.,,,,,,		•



	max	mm²	10
Fle	exible with insulated spade lug conductor section		
	min	mm²	1
	max	mm²	10
Power terminal protection a	according to IEC/EN 60529		IP20 when properly wired
Mechanical features			, , ,
Operating position			
	normal allowable		Vertical plan ±30°
Fixing			Screw / DIN rail 35mm
Weight		g	400
Operations			
Mechanical life		cycles	20000000
Electrical life		cycles	1400000
Safety related data			
Performance level B10d ac	ccording to EN/ISO 13489-1		
	rated load mechanical load	cycles cycles	1400000 20000000
EMC compatibility			yes
AC coil operating			
Rated AC voltage at 60Hz		V	220
AC operating voltage			
of (60Hz coil powered at 60Hz		
	pick-up	0/11	
	min	%Us	80
	max	%Us	110
	drop-out	0/11-	00
	min	%Us	20
AC average coil consumpti	max	%Us	55
•			
OI (60Hz coil powered at 60Hz in-rush	VA	75
	holding	VA VA	9
Dissipation at holding ≤20°	•	W	2.5
Max cycles frequency	O 30112	VV	2.5
Mechanical operation		cycles/h	3600
Operating times		0,0100/11	0000
Average time for Us contro	l		
in /			
	Closing NO		
	min	ms	8
	max	ms	24
	Opening NO		
	min	ms	5
	max	ms	15
	Closing NC		
	min	ms	9
	max	ms	20
UL technical data			
Rated operational voltage A	AC (UL)	V	600
General USE			
Co	ntactor		

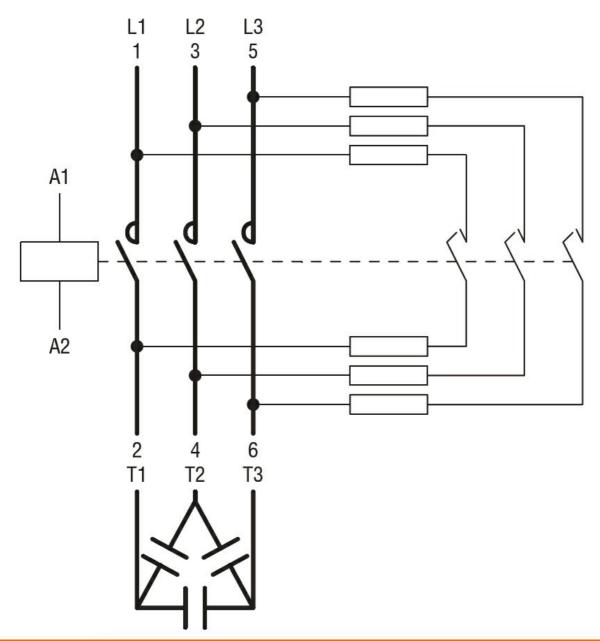


		AC current	Α	56
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			_
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Protect	ion			
Pollution degree				3
Dimensions				



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

EAC

ETIM classification

ETIM 8.0

EC001079 -Capacitor contactor