





Product designation				Power contactor
Product type designat				BFK50
Contact characteristic	es estate de la companya de la comp			
Number of poles			Nr.	3
Rated insulation voltage			V	690
Rated impulse withsta	and voltage Uimp		kV	8
Operational frequency	/			
		min	Hz	25
		max	Hz	400
IEC Conventional free	air thermal current Ith		Α	90
Rated operational pov	wer AC-6b (T≤40°C)			
		230V	kvar	22
		400V	kvar	40
		440480V	kvar	41
		690V	kvar	46
Short-time allowable	current for 10s (IEC/EN60947-1)		Α	400
Protection fuse	7			
		gG (IEC)	Α	80
Making capacity (RMS	S value)	3 - (- /	Α	500
Breaking capacity at v	•			
3 - 1 7	3	440V	Α	400
		500V	Α	352
		690V	A	312
Resistance per pole (a		mΩ	0.8	
Power dissipation per pole (average value)			11132	0.0
1 ower alsospation per	pole (average value)	Ith	W	6.5
Tightening torque for t	terminals	Tu i	**	0.0
rigitioning torque for	ionninaio	min	Nm	4
		max	Nm	5
		min	lbin	2.95
		max	Ibin	3.69
Tightening torque for	coil terminal	IIIax	IDIII	3.09
rigitiering torque for t	Contenninal	min	Nm	0.8
		max	Nm	1
		min	lbin	0.8
May number of wires	aimultana ayaly aanna atabla	max	Ibin	0.74
	simultaneously connectable		Nr.	2
Conductor section	AMC/Kamil			
	AWG/Kcmil			0
	Florible w/s have send at the conflict	max		2
	Flexible w/o lug conductor section	. :		4.5
		min	mm²	1.5
	EL 11 / L	max	mm²	35
	Flexible c/w lug conductor section		•	
		min	mm²	1.5





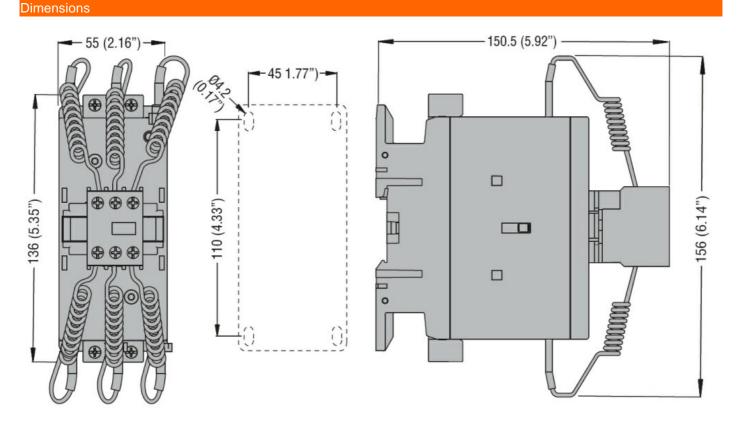
		max	mm²	35
	tion according to IEC/EN 60529			IP20 front
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
ixing				Screw / DIN rai
				35mm
Veight			g	1090
Conductor section				
	AWG/kcmil conductor section			
		max		2
Operations				
Mechanical life			cycles	15000000
lectrical life			cycles	400000
Safety related data				
Performance level B10	Od according to EN/ISO 13489-1			
	-	rated load	cycles	400000
		mechanical load	cycles	15000000
MC compatibility				yes
C coil operating				
Rated AC voltage at 50	0/60Hz		V	24
C operating voltage			<u> </u>	
to operating remage	of 50/60Hz coil powered at 50Hz			
	pick-up			
	ρίοι αρ	min	%Us	80
		max	%Us	110
	drop-out	max	7003	110
	drop out	min	%Us	20
		max	%Us	55
	of 50/60Hz coil powered at 60Hz	IIIdx	7003	33
	pick-up			
	ріск-ир	min	%Us	85
		max	%Us	110
	drap out	IIIdX	/005	110
	drop-out	min	%Us	20
		min	%Us %Us	55
C average sell sersi	umption at 20°C	max	/₀US	JU
AC average coil consu	•			
	of 50/60Hz coil powered at 50Hz	حاجب سيسا	١/٨	240
		in-rush	VA	210
	of 50/0011= apil =	holding	VA	15
	of 50/60Hz coil powered at 60Hz		١/٨	405
		in-rush	VA	195
	. (0011	holding	VA	13
	of 60Hz coil powered at 60Hz			040
		in-rush	VA	210
	-0000 FOLL	holding	VA	15
Dissipation at holding :		W	5	
Max cycles frequency				
Mechanical operation			cycles/h	3600
perating times				

in AC

Closing NO

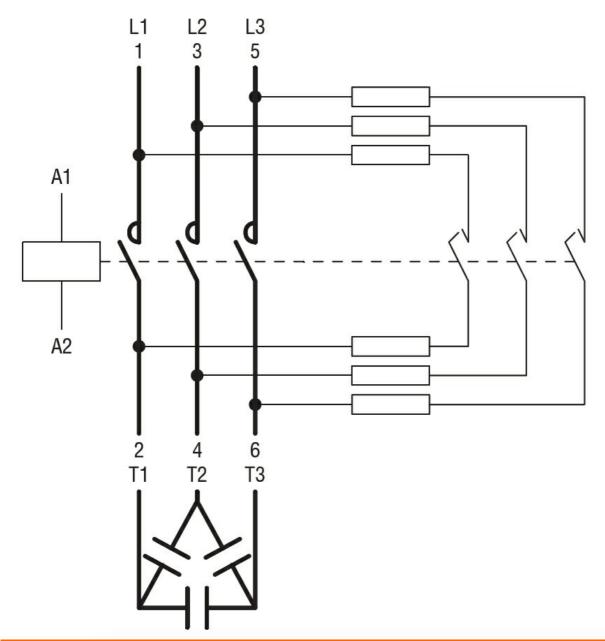


			min	ms	12
			max	ms	28
		Opening NO			
		-1- 5 -	min	ms	8
			max	ms	22
	in DC				
		Closing NO			
		· ·	min	ms	40
			max	ms	85
		Opening NO			
			min	ms	20
			max	ms	55
UL technical data					
General USE					
	Contactor				
			AC current	Α	90
Ambient conditions					
Temperature					
	Operating temperature)			
			min	°C	-50
			max	°C	70
	Storage temperature				
			min	°C	-60
			max	°C	80
Max altitude				m	3000
					0000
Resistance & Protection	วท				
Resistance & Protection Pollution degree	n				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

Certificates

CCC

cULus

ETIM classification

ETIM 8.0

EC001079 -Capacitor contactor