

ENERGY AND AUTOMATION

CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 100KVAR, COIL 460VAC 60HZ



Product designation			Power contactor
Product type designation			BFK150
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		Α	165
Rated operational power AC-6b (T≤40°C)			
	230V	kvar	50
	400V	kvar	100
	440480V	kvar	115
	690V	kvar	150
Short-time allowable current for 10s (IEC/EN60947-1)		Α	1200
Protection fuse			
	gG (IEC)	Α	160
Making capacity (RMS value)	go (120)	A	1500
Breaking capacity at voltage			1000
breaking capacity at voltage	440V	Α	1200
	500V	A	1025
	690V	A	905
Resistance per pole (average value)	090 V	mΩ	0.45
Power dissipation per pole (average value)		11122	0.43
rower dissipation per pole (average value)	Ith	W	12
Tightoning targue for tarminals	IUI	VV	12
Tightening torque for terminals		Nina	0
	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	mm²	1.5
	max	mm²	70
Flexible c/w lug conductor section			



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			max	mm²	70
	tion according to IEC/EN	60529			IP20 front
Mechanical features					
Operating position					
			normal		Vertical plan
			allowable		±30°
Fixing					Screw / DIN rail
Moight				~	35mm 2095
Weight Conductor section				g	2095
Conductor Section	AWG/kcmil conductor s	cotion			
	AVVG/KCITIII CONDUCTOR S	Section	max		2/0
Operations			IIIdA		2/0
Mechanical life				cycles	15000000
Electrical life				cycles	800000
Safety related data				Cycles	000000
	Od according to EN/ISO 1	3489-1			
. C. C. Mario lovoi Di	a according to Liviou		rated load	cycles	400000
			mechanical load	cycles	15000000
EMC compatibility				0,0.00	yes
AC coil operating					,
Rated AC voltage at 60)Hz			V	460
AC operating voltage					
	of 60Hz coil powered a	t 60Hz			
	•	pick-up			
			min	%Us	80
			max	%Us	110
		drop-out			
			min	%Us	20
			max	%Us	55
AC average coil consu	mption at 20°C				
	of 60Hz coil powered a	t 60Hz			
			in-rush	VA	300
			holding	VA	20
Dissipation at holding:	≤20°C 50Hz			W	6.5
Max cycles frequency					
Mechanical operation				cycles/h	1500
Operating times					
Average time for Us co					
	in AC	01 : 110			
		Closing NO	•		4.0
			min	ms	16
		Opening NO	max	ms	32
		Opening NO	min	me	9
			min	ms ms	24
UL technical data			max	ms	۷4
General USE					
Contrai COL	Contactor				
	Contactor		AC current	Α	165
Ambient conditions			AO CUITEIR		
Temperature					
	Operating temperature				
	Sporating temperature				



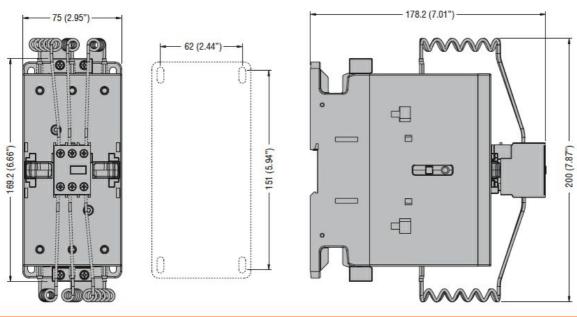


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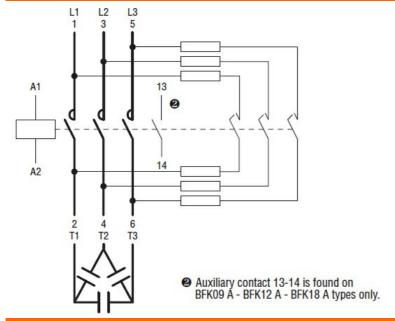
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	min	°C	-50	
	max	°C	70	
Storage temperature				
	min	°C	-60	
	max	°C	80	
Max altitude		m	3000	
Resistance & Protection				
Pollution degree			3	
Disconsists				/ /

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



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BFK15000A46060

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Certificates		
	CCC	
	cULus	
ETIM classification	n	
ETIM 8.0		EC001079 - Capacitor contactor