

ENERGY AND AUTOMATION

CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 100KVAR, COIL 220VAC 60HZ



Product designation Product type designat	iian			Power contactor BFK150
Contact characteristic				DFK130
Number of poles	3		Nr.	3
Rated insulation voltage	ne Hi IFC/FN		V	690
Rated impulse withsta			kV	8
Operational frequency	•		K V	0
Operational frequency		min	Hz	25
		min	⊓z Hz	
IFC Conventional free	air thormal aurrent lth	max	<u>п</u> А	400
IEC Conventional free air thermal current Ith			A	165
Rated operational pov	wer AC-60 (1540°C)	0001/		50
		230V	kvar	50
		400V	kvar	100
		440480V	kvar	115
		690V	kvar	150
	current for 10s (IEC/EN60947-1)		Α	1200
Protection fuse				
		gG (IEC)	Α	160
Making capacity (RMS	S value)		Α	1500
Breaking capacity at v	roltage			
		440V	Α	1200
		500V	Α	1025
		690V	Α	905
Resistance per pole (a	average value)		mΩ	0.45
Power dissipation per	Power dissipation per pole (average value)			
		Ith	W	12
Tightening torque for t	terminals			
0 0 1		min	Nm	6
		max	Nm	7
		min	lbin	4.4
		max	Ibin	5.2
Tightening torque for o	coil terminal			
riginioning torque for t		min	Nm	0.8
		max	Nm	1
		min	lbin	0.59
		max	Ibin	0.74
May number of wires	simultaneously connectable	IIIdX	Nr.	2
Conductor section	Simultaneously connectable		INI.	
Conductor Section	AWG/Kcmil			
	AVVG/RCITIII	may		2/0
	Florible w/e lug conductor costice	max		2/0
	Flexible w/o lug conductor section			4.5
		min	mm²	1.5
	Fig. 11 / . I /	max	mm²	70
	Flexible c/w lug conductor section			4.5
		min	mm²	1.5



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	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
Conductor section			
AWG/kcmil conductor section			
	max		2/0
Operations			
Mechanical life		cycles	15000000
Electrical life		cycles	800000
Safety related data		0,0.00	000000
Performance level B10d according to EN/ISO 13489-1			
Total marios level 2 for according to 214/100 10400 1	rated load	cycles	400000
	mechanical load	cycles	1500000
EMC compatibility	medianical load	Cycles	
AC coil operating			yes
Rated AC voltage at 60Hz		V	220
AC operating voltage		V	220
·			
of 60Hz coil powered at 60Hz			
pick-up	min	0/110	00
	min	%Us	80
drop out	max	%Us	110
drop-out		0/116	20
	min	%Us	20
AC average call consumption at 20°C	max	%Us	55
AC average coil consumption at 20°C			
of 60Hz coil powered at 60Hz	to much	١/٨	200
	in-rush	VA	300
D: : ('	holding	VA	20
Dissipation at holding ≤20°C 50Hz		W	6.5
Max cycles frequency		1 //	4500
Mechanical operation		cycles/h	1500
Operating times			
Average time for Us control			
in AC			
Closing NO			4.0
	min	ms	16
	max	ms	32
Opening NO			0
	min	ms	9
III tankatan data	max	ms	24
UL technical data			
General USE			
Contactor	- <u>-</u>	_	
	AC current	Α	165
Ambient conditions			
Temperature			
Operating temperature			



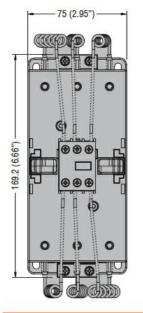


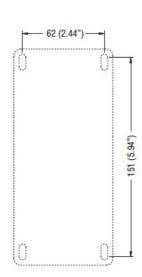
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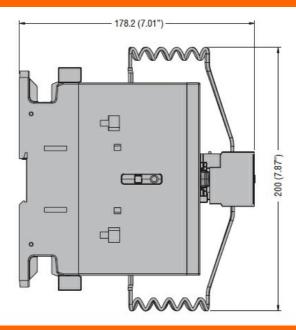
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	min	°C	-50
	max	°C	70
Storage temperature			
	min	°C	-60
	max	°C	80
Max altitude		m	3000
Resistance & Protection			
Pollution degree			3
D'			

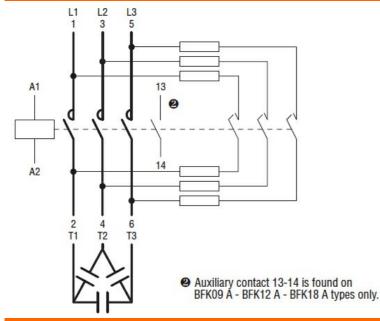
<u>Dimensions</u>







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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BFK15000A22060

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