



ENERGY AND AUTOMATION

CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 100KVAR, COIL 110VAC 50/60HZ



Product designation				Power contactor
Product type designati				BFK150
Contact characteristics	5			
Number of poles			Nr.	3
Rated insulation voltag			V	690
Rated impulse withstar	•		kV	8
Operational frequency				
		min	Hz	25
		max	Hz	400
IEC Conventional free	air thermal current Ith		Α	165
Rated operational pow	/er AC-6b (T≤40°C)			
		230V	kvar	50
		400V	kvar	100
		440480V	kvar	115
		690V	kvar	150
Short-time allowable c	urrent for 10s (IEC/EN60947-1)		Α	1200
Protection fuse	,			
		gG (IEC)	Α	160
Making capacity (RMS	value)	3-(-/	Α	1500
Breaking capacity at vo	·			
		440V	Α	1200
		500V	Α	1025
		690V	Α	905
Resistance per pole (a	verage value)		mΩ	0.45
Power dissipation per pole (average value)				
i ottor alcolpation por	polo (avolago valuo)	Ith	W	12
Tightening torque for to	erminale	iui	V V	12
rightering torque for to	eminais	min	Nm	6
		max	Nm	7
		min	Ibin	4.4
			Ibin	5.2
Tightoning torque for a	noil terminal	max	IDIII	5.2
Tightening torque for c	on terminal		Nine	0.0
		min	Nm	0.8
		max	Nm	1
		min	Ibin	0.59
Man and a set of the set	Para Marana and Anna and Andrea	max	Ibin	0.74
	simultaneously connectable		Nr.	2
Conductor section	AVAIQUIC II			
	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



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		max	mm²	70
Power terminal protect	tion according to IEC/EN 60529			IP20 front
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±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				
	Od according to EN/ISO 13489-1			
– .	9	rated load	cycles	400000
		mechanical load	cycles	15000000
EMC compatibility				yes
AC coil operating				, , ,
Rated AC voltage at 5	0/60Hz		V	110
AC operating voltage	0,00112		•	110
no operating voltage	of 50/60Hz coil powered at 50Hz			
	pick-up			
	ρισκ-αρ	min	%Us	80
		max	%Us	110
	drop-out	παχ	7003	110
	drop out	min	%Us	20
		max	%Us	55
	of 50/60Hz coil powered at 60Hz	Παλ	/003	33
	·			
	pick-up	min	%Us	85
			%Us %Us	110
	drop out	max	7005	110
	drop-out	min	%Us	40
		min	%Us	55
AC average coil consu	umntion at 20°C	max	7005	55
AC average con consu	•			
	of 50/60Hz coil powered at 50Hz	مامد سامنا	١/٨	200
		in-rush	VA	300
	of FO/GOLLT poil powered at COLLT	holding	VA	20
	of 50/60Hz coil powered at 60Hz	حاجب سما	١/٨	200
		in-rush	VA	300
	of colds as it servers but cold	holding	VA	17
	of 60Hz coil powered at 60Hz	• •	١/٨	200
		in-rush	VA	300
D.	40000 FOLL	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	ontrol			

in AC

Closing NO



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	min	ms	16
	max	ms	32
Opening NO			
	min	ms	9
	max	ms	24

UL technical data

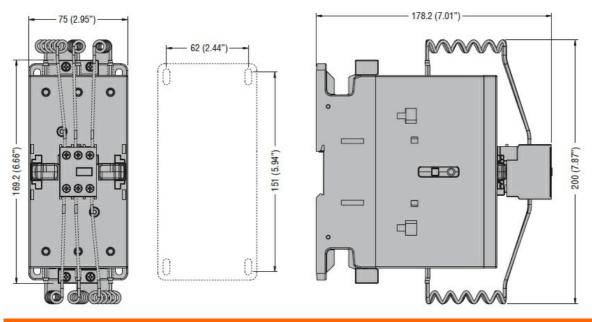
General USE

Contactor

		AC current	Α	165
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	bn .			

Pollution degree 3

Dimensions

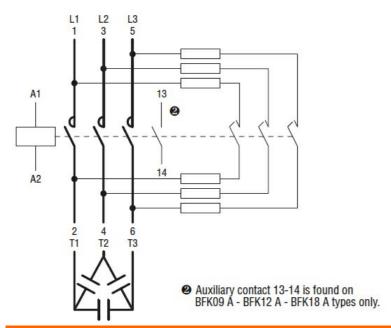


Wiring diagrams



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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