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Product designation			Power contactor
Product type designation  Contact characteristics			BF330
		Nin	4
Number of poles		Nr. V	4
Rated insulation voltage Ui IEC/EN			1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			0.5
	min	Hz	25
IFO Occupation of the second second in	max	Hz	400
IEC Conventional free air thermal current Ith		Α	500
Operational current le	A O A ( 1400 O)		500
	AC-1 (≤40°C)	A	500
	AC-1 (≤55°C)	A	415
	AC-1 (≤70°C)	A	360
	AC-3 (≤440V ≤55°C)	A	330
D. I. I	AC-4 (400V)	Α	160
Rated operational power AC-3 (T≤55°C)	0001/		0.0
	230V	kW	90
	400V	kW	160
	415V	kW	160
	440V	kW	160
	500V	kW	200
	690V 1000V	kW kW	250
Detect energianal current AC 2 /T <ff°c\< td=""><td>1000 V</td><td>KVV</td><td>185</td></ff°c\<>	1000 V	KVV	185
Rated operational current AC-3 (T≤55°C)	2201/	۸	220
	230V 400V	A	330
	400V 415V	A	330 330
	440V	A A	330
	500V		300
	690V	A	300
	1000V	A A	140
Rated operational power AC-1 (T≤40°C)	1000 V		140
Nated operational power AC-1 (1340 C)	230V	kW	189
	400V	kW	329
	500V	kW	362
	690V	kW	568
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series	090 V	KVV	300
ILO MAX current le in DOT with L/N > This with 1 poles in selles	75V	Α	375
	110V	A	195
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	1100	^	133
TEO MAX current le in DOT with L/N > This with 2 poles in selles	75V	٨	375
	75V 110V	A A	375 350
	220V	A	300
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	2200	Α	300



	75V	Α	375
	110V	Α	350
	220V	Α	350
	330V	Α	300
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	0001	- / \	
120 max current le in 201 with 2/102 mis with 4 poles in series	75V	Α	375
	110V	A	350
	220V	A	350
IFC may current to in DC2 DC5 with L/D < 15mg with 1 notes in series	220 V	^	330
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series	751	۸	040
	75V	A	310
150 DOO DOO 111 L/D +45 111 O L 1 1	110V	Α	170
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series		_	
	75V	Α	310
	110V	Α	290
	220V	Α	230
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
	75V	Α	310
	110V	Α	310
	220V	Α	290
	330V	Α	230
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
	75V	Α	310
	110V	Α	310
	220V	Α	310
	330V	Α	310
	460V	Α	230
Short-time allowable current for 10s (IEC/EN60947-1)		Α	2640
Protection fuse			
	gG (IEC)	Α	630
	aM (IEC)	Α	500
Making capacity (RMS value)	aw (iEO)	A	3300
Breaking capacity at voltage			3300
breaking capacity at voltage	440V	۸	2640
		A	2640
	500V	A	2240
<del></del>	690V	A	2000
Resistance per pole (average value)		mΩ	0.12
Power dissipation per pole (average value)			
	Ith	W	30
	AC-3	W	13
Tightening torque for terminals			
	min	Nm	35
	max	Nm	35
	min	lbin	310
	max	Ibin	310
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			
Operating position			
2 p 3 . 2	normal		Vertical plan
	allowable		±30°
Fixing	anowane		Screw
Living			JOICVV



Operations			
Mechanical life		cycles	5000000
Electrical life		cycles	700000
Safety related data			
Performance level B10d according to EN/ISO 13489-1			
-	rated load	cycles	1000000
EMC compatibility			yes
AC coil operating			
Rated AC voltage at 50/60Hz, 60Hz			
	min	V	100
	max	V	250
AC operating voltage			
of 50/60Hz coil powered at 50Hz			
pick-up			
·	min	%Us	80 Us min
	max	%Us	110 Us max
drop-out			
·	max	%Us	≤70 Us min
of 50/60Hz coil powered at 60Hz			
pick-up			
	min	%Us	80 Us min
	max	%Us	110 Us max
drop-out			
	max	%Us	≤70 Us min
AC average coil consumption at 20°C			
of 50/60Hz coil powered at 50Hz			
	in-rush	VA	160320
	holding	VA	3.58.0
of 50/60Hz coil powered at 60Hz			
	in-rush	VA	160320
	holding	VA	3.58.0
of 60Hz coil powered at 60Hz			
	in-rush	VA	160320
	holding	VA	3.58.0
Dissipation at holding ≤20°C 50Hz		W	3.58.0
DC coil operating			
DC rated control voltage			
	min	V	100
	max	V	250
DC operating voltage			
pick-up			
	min	%Us	85 Us min
	max	%Us	110 Us max
drop-out			
	max	%Us	≤70 Us min
Average coil consumption ≤20°C			
	in-rush	W	160230
	holding	W	3.58.0
Max cycles frequency			
Mechanical operation		cycles/h	1000
Operating times			
Average time for Us control			

in AC

BF330T4E230

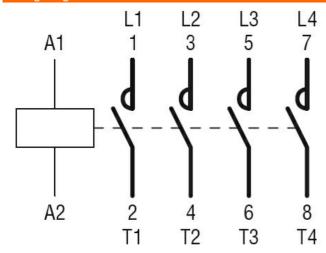


	Closing NO	min	ms	80
	Opening NO	max	ms	120
		min max	ms ms	30 75
UL technical data				
Yielded mechanical pe				
	for three-phase AC motor	000/000/		
		200/208V 220/230V	HP HP	100 125
		460/480V	HP	250
		575/600V	HP	300
General USE		0.0,000.		
	Contactor			
		AC current	Α	500
Short-circuit protection				
	High fault			
		Short circuit current	kA	100
		Fuse rating Fuse class	Α	600 J
	Standard fault	i use class		<u> </u>
	Staridard radit	Short circuit current	kA	18
		Fuse rating	Α	600
		Fuse class		RK5
Ambient conditions				
Temperature				
	Operating temperature		°C	40
		min max	°C	-40 70
	Storage temperature	IIIdA		10
	Storage temperature	min	°C	-50
		max	°C	80
Max altitude			m	3000
Resistance & Protection	on			
Pollution degree				3
Dimensions			181.5	
185	20.5	•	— 137.9 —	75 -
57.5 35	92.5	•		+ +
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**ENERGY AND AUTOMATION** 

CONTACTOR TETRAPOLAR, CORRIENTE DE OPERACIÓN IEC ITH (AC1) = 500A, BOBINA AC/DC, 100...250VAC/DC

#### 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

cULus

#### ETIM classification

**ETIM 8.0** 

EC000066 -Power contactor, AC switching