



Product designation			Power contactor
Product type designation			BF230
Contact characteristics			
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency		ΓV	0
Operational frequency	min	Hz	25
	min		
IFO Open continued from a single company lith	max	Hz	400
IEC Conventional free air thermal current Ith		Α	350
Operational current le		_	
	AC-1 (≤40°C)	A	350
	AC-1 (≤55°C)	A	290
	AC-1 (≤70°C)	А	250
	AC-3 (≤440V ≤55°C)	Α	230
	AC-4 (400V)	Α	110
Rated operational power AC-1 (T≤40°C)			
	230V	kW	132
	400V	kW	230
	500V	kW	253
	690V	kW	397
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
· ·	≤24V	А	350
	48V	A	350
	75V	A	350
	110V	A	145
	220V	A	_
IEC max current le in DC1 with L/R $\leq$ 1ms with 2 poles in series	2201	7.	
	≤24V	А	350
	48V	A	350
	48V 75V		
	110V	A	350
		A	270
	220V	A	225
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
	≤24V	A	350
	48V	A	350
	75V	Α	350
	110V	A	270
	220V	A	270
	330V	Α	225
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series			
	≤24V	А	350
	48V	А	350
	75V	А	350
	110V	А	350

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BF230T4E230 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 350A, AC/DC COIL, 100...250VAC/DC

	220V	А	350
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	≤24V	А	350
	48V	А	350
	75V	А	250
	110V	А	135
	220V	А	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	≤24V	А	350
	48V	A	350
	75V	A	250
	110V	A	225
	220V	A	180
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	220 V	~	100
The max current le in DC3-DC5 with $L/R \le 15$ min 5 poles in series	<241	^	250
	≤24V	A	350
	48V	A	350
	75V	A	250
	110V	A	250
	220V	А	225
	330V	A	180
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 4 poles in series			
	≤24V	Α	350
	48V	Α	350
	75V	Α	250
	110V	Α	250
	220V	Α	225
	330V	А	210
	460V	А	180
Short-time allowable current for 10s (IEC/EN60947-1)		А	1840
Protection fuse			
	gG (IEC)	А	400
	aM (IEC)	А	250
Making capacity (RMS value)	. ,	А	2300
Breaking capacity at voltage			
	440V	А	1840
	500V	A	1472
	690V	A	1296
Resistance per pole (average value)	0001	mΩ	0.18
Power dissipation per pole (average value)		11152	0.10
i uwei uissipation pei poie (aveiage value)	146	14/	01
	lth	W	21
Tightoning targue for terminals	AC3	W	9.3
Tightening torque for terminals			10
	min	Nm	18
	max	Nm	18
	min	lbin	159
	max	Ibin	159
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			
	normal		Vertical plan
			'

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FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 350A, AC/DC COIL, 100...250VAC/DC

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		allowable		±30°
Fixing				Screw
Weight			g	4000
Operations				
Mechanical life			cycles	1000000
Electrical life			cycles	1000000
Safety related data				
Performance level B1	0d according to EN/ISO 13489-1			
		rated load	cycles	1000000
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 5	0/60Hz, 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 consu	Imption at 20°C			
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	160230
		holding	VA	1.53.0
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	160230
		holding	VA	1.53.0
	of 60Hz coil powered at 60Hz			
		in-rush	VA	160230
		holding	VA	1.53.0
Dissipation at holding	≤20°C 50Hz		W	1.53.0
DC coil operating				
DC rated control voltage	ge			
		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 consump	tion ≤20°C			
		in-rush	W	160230
		holding	W	1.53.0
Max cycles frequency				
Mechanical operation			cycles/h	1000

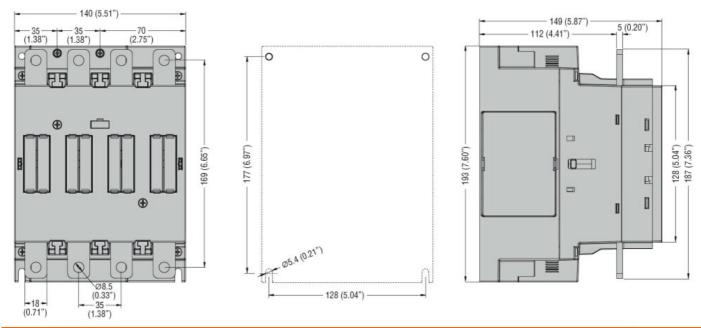
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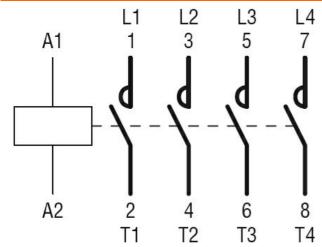
Operating times				
Average time for Us c	ontrol			
	in AC			
	Closing NO			
		min	ms	50
		max	ms	100
	Opening NO			
		min	ms	30
		max	ms	75
UL technical data				
Yielded mechanical pe	erformance			
	for three-phase AC motor			
		200/208V	HP	75
		220/230V	HP	75
		460/480V	HP	150
		575/600V	HP	200
General USE				
	Contactor			
		AC current	А	350
Short-circuit protection	n fuse, 600V			
	High fault			
	0	Short circuit current	kA	100
		Fuse rating	A	400
		Fuse class	-	J
	Standard fault			
		Short circuit current	kA	10
		Fuse rating	A	400
		Fuse class		RK5
Ambient conditions				-
Temperature				
5 <b>F</b> =	Operating temperature			
		min	°C	-40
		max	°Č	70
	Storage temperature		-	-
		min	°C	-50
		max	°Č	80
Max altitude		max	m	3000
Resistance & Protecti	on			
Pollution degree				3
Dimensions				
Burtonolorio				



## BF230T4E230 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 350A, AC/DC COIL, 100...250VAC/DC



Wiring diagrams



Certifications and compliance	
Certificates	
cULus	
ETIM classification	
ETIM 8.0	EC000066 - Power contactor, AC switching