



Product designation Product type designation			Power contactor BF230
Contact characteristics			
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		А	350
Operational current le			
	AC-1 (≤40°C)	А	350
	AC-1 (≤55°C)	А	290
	AC-1 (≤70°C)	А	250
	AC-3 (≤440V ≤55°C)	А	230
	AC-4 (400V)	А	110
Rated operational power AC-3 (T≤55°C)	, ,		
	230V	kW	55
	400V	kW	110
	415V	kW	110
	440V	kW	132
	500V	kW	132
	690V	kW	160
	1000V	kW	110
Rated operational current AC-3 (T≤55°C)			
	230V	А	230
	400V	А	230
	415V	А	230
	440V	А	230
	500V	А	184
	690V	А	165
	1000V	Α	100
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 $L/R \le 1$ ms with 1 poles in series			
	≤24V	А	350
	48V	А	350
	75V	А	350
	110V	А	145
	220V	А	_

≤24V

350

А



BF23000E024 CONTACTEUR TRIPOLAIRE, COURANT DE FONCTIONNEMENT IEC IE (AC3) = 230A, AVEC BOBINE AC/DC, 24...60VAC - 20...60VDC

	48V	А	350
	75V	А	350
	110V	А	270
	220V	А	225
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
	≤24V	А	350
	48V	А	350
	75V	А	350
	110V	А	270
	220V	А	270
	330V	А	225
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	≤24V	А	350
	48V	А	350
	75V	А	350
	110V	А	350
	220V	А	350
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
······································	≤24V	А	350
	48V	A	350
	75V	A	250
	110V	A	135
	220V	A	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series	2201	7.	
	≤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	2201		100
	≤24V	А	350
	48V	A	350
	40V 75V	A	250
	110V	A	250
	220V	A	225
	330V	A	180
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	330 v	~	100
IEC max current le in DC3-DC3 with L/K = 15ms with 4 poles in series	≤24V	۸	350
	≤24V 48V	A A	350
	48V 75V	A	350 250
	75V 110V	A	250 250
	220V	A	250 225
	220V 330V	A	225
	460V	A	180
Short-time allowable current for 10s (IEC/EN60947-1)	400 v	A	1840
		A	1040
Protection fuse		^	400
	gG (IEC)	A	400
Malian ann aite (DMO salua)	aM (IEC)	A	250
Making capacity (RMS value)		A	2300
Breaking capacity at voltage	44014		4040
	440V	A	1840
	500V	A	1472
	690V	<u>A</u>	1296
Resistance per pole (average value)		mΩ	0.18



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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	Ŭ		

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BF23000E024 CONTACTEUR TRIPOLAIRE, COURANT DE FONCTIONNEMENT IEC IE (AC3) = 230A, AVEC BOBINE AC/DC, 24...60VAC - 20...60VDC

DC soil operating					
DC coil operating					
DC rated control voltag	ge				
			min	V	20
			max	V	60
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
Operating times					
Average time for Us co	ontrol				
Ū	in AC				
		Closing NO			
		5	min	ms	50
			max	ms	100
		Opening NO			
		operingrie	min	ms	30
			max	ms	75
UL technical data					
Yielded mechanical pe	erformance				
	for three-phase AC mo	otor			
			200/208V	HP	75
			220/230V	HP	75
			460/480V	HP	150
			575/600V	HP	200
General USE			575/0007		200
	Contactor				
	Contactor			^	250
0	(AC current	A	350
Short-circuit protection					
	High fault				100
			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					
	Operating temperature)			
			min	°C	-40
			max	°C	70
	Storage temperature				
			min	°C	-50
			max	°C	80
Max altitude				m	3000
Resistance & Protection	on				
Pollution degree					3
	inting departies of in this deputy out or	a aubiaat ta undataa ay ma	difications at any time. The description		

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The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



105 (4.13")

(1.38")

0

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FF

F

18 (0.71")

0

FR

1

F

Ø8.5(0.33")

0

0

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169 (6.65")

177 (6.97")

0

e Ø5.4 (0.21")

93 (3.66")

CONTACTEUR TRIPOLAIRE, COURANT DE FONCTIONNEMENT IEC IE (AC3) = 230A, AVEC BOBINE AC/DC, 24...60VAC - 20...60VDC

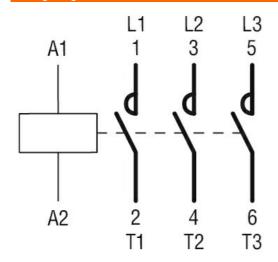
ENERGY AND AUTOMATION

Dimensions

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Wiring diagrams



Certifications and 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	
cULus	
	EC000066 - Power contactor, AC switching
	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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