

BF6500A23060 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 65A, AC COIL 60HZ, 230VAC



Product designation			Power contactor
Product type designation			BF65
Contact characteristics		Nla	2
Number of poles		Nr. V	3
Rated insulation voltage Ui IEC/EN			1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			05
	min	Hz	25
IFO Occurrentian all faces aim the arm all commonts lith	max	Hz	400
IEC Conventional free air thermal current Ith		Α	100
Operational current le		•	100
	AC-1 (≤40°C)	A	100
	AC-1 (≤55°C)	A	80
	AC-1 (≤70°C)	A	70
	AC-3 (≤440V ≤55°C)	A	65
	AC-4 (400V)	A	31
Rated operational power AC-3 (T≤55°C)	0001/	/	40 5
	230V	kW	18.5
	400V	kW	30
	415V	kW	37
	440V 500V	kW	37
	500V 690V	kW kW	37 45
	1000V	kW	45 30
Rated operational current AC-3 (T≤55°C)	1000 v	K V V	50
	230V	А	65
	230V 400V	A	65
	400V 415V	A	65
	413V 440V	A	65
	500V	A	53
	690V	A	47
	1000V	A	25
Rated operational power AC-1 (T≤40°C)	10001		20
	230V	kW	38
	400V	kW	65
	500V	kW	82
	690V	kW	114
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series	0001		
	≤24V	А	50
	48V	A	50
	46V 75V	A	50
	110V	A	8
	220V	A	_
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series	2201		
	≤24V	А	70
	-240	~~	

ENERGY AND AUTOMATION

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	48V	А	70
	75V	А	70
	110V	А	60
	220V	A	9
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	2201		0
	≤24V	^	70
		A	70
	48V	Α	70
	75V	А	70
	110V	А	60
	220V	Α	90
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	≤24V	А	70
	48V	А	70
	75V	А	70
	110V	A	70
	220V	A	110
IEC may autrent to in DC2 DC5 with L/P < 15ms with 1 palas in series	2201	Λ	110
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 1 poles in series	2011	^	25
	≤24V	A	35
	48V	А	25
	75V	А	25
	110V	А	3
	220V	А	-
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 2 poles in series			
	≤24V	А	45
	48V	А	40
	75V	A	40
	110V	A	30
	220V	A	5
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 3 poles in series		_	
	≤24V	А	55
	48V	А	50
	75V	Α	50
	110V	Α	35
	220V	Α	52
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 4 poles in series			
	≤24V	А	60
	48V	A	60
	48V 75V	A	60
	110V	A	50
	220V	<u>A</u>	65
Short-time allowable current for 10s (IEC/EN60947-1)		Α	640
Protection fuse	_	-	
	gG (IEC)	A	125
	aM (IEC)	A	80
Making capacity (RMS value)		Α	650
Breaking capacity at voltage			
	440V	А	520
	500V	А	425
	690V	A	376
Resistance per pole (average value)		mΩ	0.8
Power dissipation per pole (average value)		.1122	5.0
i onoi dissipation per pole (average value)	146	۱۸/	0
	lth	W	8
	AC-3	W	3.4
Tightening torque for terminals			



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		min	Nm	4
		max	Nm	5
		min	Ibin	2.95
		max	lbin	3.69
Tightening torque for	coil terminal			
		min	Nm	0.8
		max	Nm	1
		min	lbin	0.8
		max	lbin	0.74
Max number of wires	simultaneously connectable		Nr.	2
Conductor section	· · · ·			
	AWG/Kcmil			
		max		2
	Flexible w/o lug conductor section	Шах		2
		min	mm²	1 5
		min		1.5
		max	mm²	35
	Flexible c/w lug conductor section		-	
		min	mm²	1.5
		max	mm²	35
Power terminal protect	ction according to IEC/EN 60529			IP20 front
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
				Screw / DIN rail
Fixing				35mm
Weight			g	1020
Conductor section			9	1020
Conductor Section				
	AWG/kcmil conductor section			0
0		max		2
Operations				
Mechanical life			cycles	15000000
Electrical life			cycles	1400000
Safety related data				
Performance level B1	0d according to EN/ISO 13489-1			
		rated load	cycles	1400000
		mechanical load	cycles	15000000
Mirror contats accord	ing to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating				,00
Rated AC voltage at 6			V	230
			V	230
AC operating voltage				
	of 60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	55
AC average coil cons	umption at 20°C			
2	of 60Hz coil powered at 60Hz			
		in ruch	VA	210
		in-rush		
		holding	VA	15





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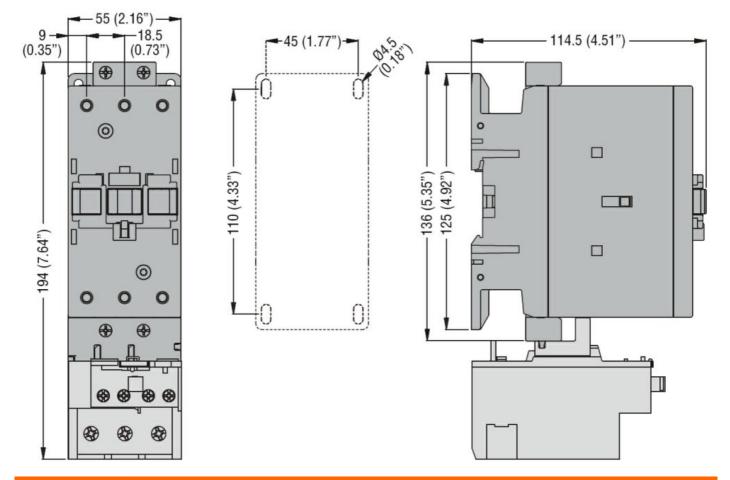
Dissipation at holding				W	5
lax cycles frequency					2000
Nechanical operation Operating times				cycles/h	3600
verage time for Us c	control				
	in AC				
		Closing NO			
			min	ms	12
			max	ms	28
		Opening NO			_
			min	ms	8
	in DO		max	ms	22
	in DC				
		Closing NO	min	ms	40
			max	ms	85
		Opening NO	max	mo	00
		- r	min	ms	20
			max	ms	55
JL technical data					
Full-load current (FLA) for three-phase A	C motor			
			at 480V	А	65
			at 600V	Α	62
Yielded mechanical p					
	for three-phase A	AC motor	200/2001		20
			200/208V 220/230V	HP HP	20 25
			460/480V	HP	25 50
			575/600V	HP	60
General USE					
	Contactor				
			AC current	А	100
Short-circuit protectio	n fuse, 600V				
	High fault				
			Short circuit current	kA	100
			Fuse rating	A	200
			Fuse class		J
	Standard fault		Chart sine it some st	1. A	10
			Short circuit current Fuse rating	kA A	10 200
			Fuse class	A	200 RK5
Ambient conditions					
Temperature					
·	Operating temper	rature			
			min	°C	-50
			max	°C	70
	Storage temperat	ture			
			min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protecti Pollution degree	ion				2
					3

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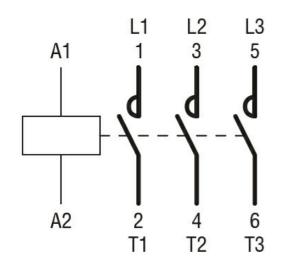
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Wiring diagrams



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	
	CCC



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cULus

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching