



Product designation		Power contactor
Product type designation		BF32
Contact characteristics		
Number of poles	Nr.	3
Rated insulation voltage Ui IEC/EN	V	690
Rated impulse withstand voltage Uimp	kV	6
Operational frequency		
min	Hz	25
max	Hz	400
IEC Conventional free air thermal current Ith	А	56
Operational current le		
AC-1 (≤40°C)	А	56
AC-1 (≤55°C)	А	45
AC-1 (≤70°C)	А	40
AC-3 (≤440V ≤55°C)	А	32
AC-4 (400V)	А	13.5
Rated operational power AC-3 (T≤55°C)		
230V	kW	8.8
400V	kW	16
415V	kW	17
440V	kW	17
500V	kW	20
690V	kW	22
Rated operational power AC-1 (T≤40°C)		
230V	kW	21
400V	kW	36
500V	kW	45
690V	kW	62
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series		
≤24V	А	30
48V	А	26
75V	А	22
110V	Α	8
220V	Α	_
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series		
≤24V	А	32
48V	А	32
75V	Α	28
110V	А	25
220V	А	3
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series		
≤24V	А	32
48V	А	32
75V	Α	32



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REE-POLE CONTACTOR, IEC OPERATING CURREN	IT IE (AC3)	= 32A	, AC COI	L 50/60HZ, 230VAC	
	220V	А	23		
with $I/R < 1$ ms with $I$ notes in series					

	220V	A	23	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series				
	≤24V	А	_	
	48V	A	_	
	75V	A	_	
	110V	A		
			-	
	220V	A	-	
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 1 poles in series				
	≤24V	Α	20	
	48V	А	17	
	75V	А	15	
	110V	А	2,5	
	220V	A		
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series	220 V			
The contact current is in DC3-DC3 with $L/R \le 15$ ins with 2 poles in series	-0.0.4		<u> </u>	
	≤24V	A	25	
	48V	А	22	
	75V	Α	20	
	110V	Α	15	
	220V	А	3	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series				
	≤24V	А	30	
	48V	A		
			28	
	75V	А	28	
	110V	А	20	
	220V	Α	23	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series				
	≤24V	А	_	
	48V	А	_	
	75V	A	_	
	110V	A		
			—	
	220V	<u>A</u>	_	
Short-time allowable current for 10s (IEC/EN60947-1)		Α	320	
Protection fuse				
	gG (IEC)	А	63	
	aM (IEC)	А	32	
Making capacity (RMS value)	. ,	А	320	
Breaking capacity at voltage				
	440V	А	256	
	500V	A	240	
	690V	A	192	
Resistance per pole (average value)		mΩ	2	
Power dissipation per pole (average value)				
	Ith	W	6	
	AC-3	W	2	
Tightening torque for terminals	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	**	-	
nymening lorque ior lenninais		Nime	0.5	
	min	Nm	2.5	
	max	Nm	3	
	min	lbin	1.8	
	max	lbin	2.2	
Tightening torque for coil terminal				
	min	Nm	0.8	
	max	Nm	1	
	min	Ibin	0.8	



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, AC COIL 50/60HZ, 230VAC

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max	lbin	0.74
simultaneously connectable	Nr.	2
		0
		6
-	mm <sup>2</sup>	2.5
		16
		10
min	mm²	1
max	mm²	10
Flexible with insulated spade lug conductor section		
min	mm²	1
max	mm²	10
tion according to IEC/EN 60529		IP20 when properly wired
normal allowable		Vertical plan ±30°
		Screw / DIN rail 35mm
	g	424
	0	
AWG/kcmil conductor section		
max		6
	cycles	2000000
	cycles	1600000
	ovele e	1600000
	•	2000000
ing to IEC/EN 609474-4-1	Cycles	20000000
		Ves
		yes ves
		yes yes
	V	
50/60Hz	V	yes
	V	yes
50/60Hz		yes 230
50/60Hz of 50/60Hz coil powered at 50Hz	%Us	yes 230 80
50/60Hz of 50/60Hz coil powered at 50Hz pick-up min max		yes 230
50/60Hz of 50/60Hz coil powered at 50Hz pick-up min max drop-out	%Us %Us	yes 230 80 110
50/60Hz of 50/60Hz coil powered at 50Hz pick-up min max drop-out min	%Us %Us %Us	yes 230 80 110 20
50/60Hz of 50/60Hz coil powered at 50Hz pick-up drop-out min max	%Us %Us	yes 230 80 110
50/60Hz of 50/60Hz coil powered at 50Hz pick-up drop-out min max of 50/60Hz coil powered at 60Hz	%Us %Us %Us	yes 230 80 110 20
50/60Hz of 50/60Hz coil powered at 50Hz pick-up drop-out min max of 50/60Hz coil powered at 60Hz pick-up	%Us %Us %Us %Us	yes 230 80 110 20 55
50/60Hz of 50/60Hz coil powered at 50Hz pick-up drop-out min max of 50/60Hz coil powered at 60Hz pick-up min	%Us %Us %Us %Us	yes 230 80 110 20 55 85
50/60Hz of 50/60Hz coil powered at 50Hz pick-up drop-out min max of 50/60Hz coil powered at 60Hz pick-up min max	%Us %Us %Us %Us	yes 230 80 110 20 55
50/60Hz of 50/60Hz coil powered at 50Hz pick-up drop-out min max of 50/60Hz coil powered at 60Hz pick-up min	%Us %Us %Us %Us	yes 230 80 110 20 55 85
50/60Hz of 50/60Hz coil powered at 50Hz pick-up drop-out min max of 50/60Hz coil powered at 60Hz pick-up min max drop-out	%Us %Us %Us %Us %Us	yes 230 80 110 20 55 85 110
50/60Hz of 50/60Hz coil powered at 50Hz pick-up drop-out min max of 50/60Hz coil powered at 60Hz pick-up min max drop-out min	%Us %Us %Us %Us %Us %Us	yes 230 80 110 20 55 85 110 20
	AWG/Kcmil max Flexible w/o lug conductor section min max Flexible c/w lug conductor section min max Flexible with insulated spade lug conductor section min max ction according to IEC/EN 60529 AWG/kcmil conductor section max allowable AWG/kcmil conductor section max flexible conductor section max allowable AWG/kcmil conductor section max flexible conductor section max	AWG/Kcmil max Flexible w/o lug conductor section Flexible c/w lug conductor section Flexible c/w lug conductor section min mm² max mm² Flexible with insulated spade lug conductor section min mm² max mm² flexible with insulated spade lug conductor section min mm² max mm² flexible with insulated spade lug conductor section min mm² max mm² flexible with insulated spade lug conductor section flexible with insulated spade lug conductor



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, AC COIL 50/60HZ, 230VAC

BF3200A230

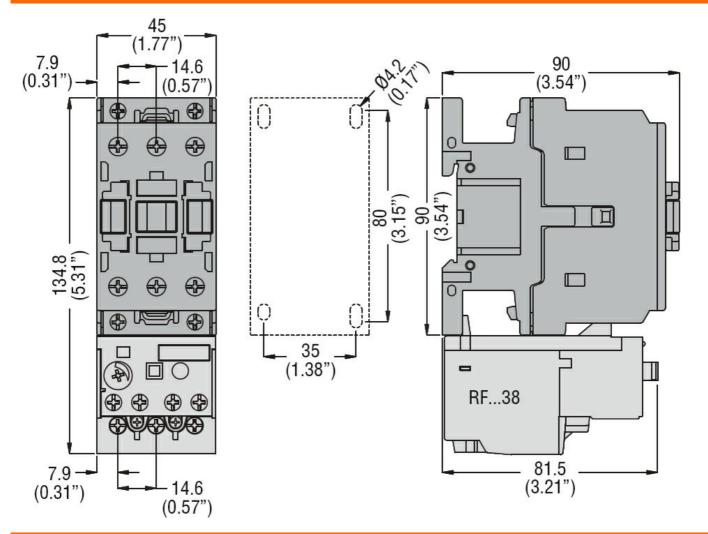
		in-rush	VA	75
		holding	VA	9
	of 50/60Hz coil powered at 60Hz	Tiolaing	v/ (	
		in-rush	VA	70
			VA VA	6.5
		holding	VA	0.5
	of 60Hz coil powered at 60Hz	· · · · · ·	\ /A	75
		in-rush	VA	75
		holding	VA	9
Dissipation at holding			W	2.5
Max cycles frequency	,			
Mechanical operation			cycles/h	3600
Operating times				
Average time for Us of	control			
	in AC			
	Closing NO			
	-	min	ms	8
		max	ms	24
	Opening NO		-	
		min	ms	5
		max	ms	15
	Closing NC	max	1113	10
	Closing NC	min	ms	9
		max	ms	20
	Opening NC			0
		min	ms	9
		max	ms	17
UL technical data				
Full-load current (FLA	<ul> <li>for three-phase AC motor</li> </ul>			
		at 480V	A	27
		at 600V	А	27
Yielded mechanical p	erformance			
	for single-phase AC motor			
		110/120V	HP	3
		230V	HP	7.5
	for three-phase AC motor			
		200/208V	HP	10
		220/230V	HP	10
		460/480V	HP	20
		575/600V	HP	25
General USE		010,0001		
	Contactor			
	Contactor	AC current	۸	55
Chart aircuit protection	n fuen 600)/	AC current	A	55
Short-circuit protectio				
	High fault			400
		Short circuit current	kA	100
		Fuse rating	A	100
		Fuse class		J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	А	125
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50



BF3200A230 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, AC COIL 50/60HZ, 230VAC

	max	°C	70
Storage temperature			
	min	°C	-60
	max	°C	80
Max altitude		m	3000
Resistance & Protection			
Pollution degree			3

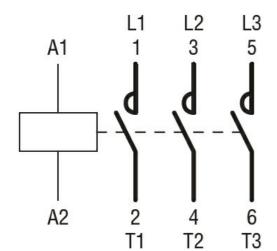
Dimensions



Wiring diagrams



**BF3200A230** THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, AC COIL 50/60HZ, 230VAC



## 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
	EAC
ETIM classification	n

**ETIM 8.0** 

EC000066 -Power contactor, AC switching