



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		Α	56
Operational current le			
	AC-1 (≤40°C)	Α	56
	AC-1 (≤55°C)	Α	45
	AC-1 (≤70°C)	Α	40
AC	5-3 (≤440V ≤55°C)	Α	32
	AC-4 (400V)	Α	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	Α	30
	48V	Α	26
	75V	Α	22
	110V	Α	8
	220V	Α	_
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
	≤24V	Α	32
	48V	Α	32
	75V	Α	28
	110V	Α	25
	220V	Α	3
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
	≤24V	Α	32
	48V	Α	32
	75V 110V	A A	32 27



	220V	Α	23
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	≤24V	Α	_
	48V	Α	_
	75V	Α	_
	110V	Α	_
	220V	Α	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
·	≤24V	Α	20
	48V	Α	17
	75V	Α	15
	110V	Α	2,5
	220V	Α	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
·	≤24V	Α	25
	48V	Α	22
	75V	A	20
	110V	A	15
	220V	Α	3
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	220 1	- , ,	
120 max sansit to in 200 200 with 211 2 forms with a police in schee	≤24V	Α	30
	48V	A	28
	75V	A	28
	110V	A	20
	220V	A	23
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	220 V		23
TEC max current le in DC3-DC3 with E/N 3 13ms with 4 poles in series	≤24V	Α	
	48V	A	<del>-</del> -
	75V	A	_
	110V	A	_
	220V	A	_
Short-time allowable current for 10s (IEC/EN60947-1)	220 V	A	320
Protection fuse		^	320
Flotection luse	aC (IEC)	۸	62
	gG (IEC)	A	63
Making consists (DMC value)	aM (IEC)	A	32
Making capacity (RMS value)		Α	320
Breaking capacity at voltage	4.401.7	Α.	050
	440V	A	256
	500V	A	240
	690V	Α	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			
	min	Nm	2.5
	max	Nm	3
	min	lbin	1.8
	max	Ibin	2.2
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	lbin	0.8



		max	Ibin	0.74
	simultaneously connectable		Nr.	2
Conductor section	A1460 # 6 . !!			
	AWG/Kcmil	may		6
	Flovible w/e lug conductor section	max		6
	Flexible w/o lug conductor section	min	mm²	2.5
		max	mm²	16
	Flexible c/w lug conductor section	max		
		min	mm²	1
		max	mm²	10
	Flexible with insulated spade lug conductor section	on		
		min	mm²	1
		max	mm²	10
Power terminal prote	ction according to IEC/EN 60529			IP20 when
	otion abborating to 120/214 00020			properly wired
Mechanical features				
Operating position				\/autic=l=l=
		normal		Vertical plan ±30°
		allowable		Screw / DIN rail
Fixing				35mm
Weight			g	424
Operations			9	
Mechanical life			cycles	20000000
Electrical life			cycles	1600000
Safety related data				
Performance level B	10d according to EN/ISO 13489-1			
		rated load	cycles	1600000
		mechanical load	cycles	20000000
EMC compatibility				yes
AC coil operating				
Rated AC voltage at			V	230
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up	min	0/116	9.0
		min	%Us	80 110
	drop-out	max	%Us	110
	Grop-out	min	%Us	20
		max	%Us	55
	of 50/60Hz coil powered at 60Hz	max	7000	
	pick-up			
	r r		%Us	85
		min	/005	
		min max	%Us	110
	drop-out			110
	drop-out			110 20
		max	%Us	
AC average coil cons		max min	%Us %Us	20
AC average coil cons		max min max	%Us %Us %Us	20 55
AC average coil cons	sumption at 20°C	max min max in-rush	%Us %Us %Us	20 55 75
AC average coil cons	sumption at 20°C of 50/60Hz coil powered at 50Hz	max min max	%Us %Us %Us	20 55
AC average coil cons	sumption at 20°C	max min max in-rush	%Us %Us %Us	20 55 75



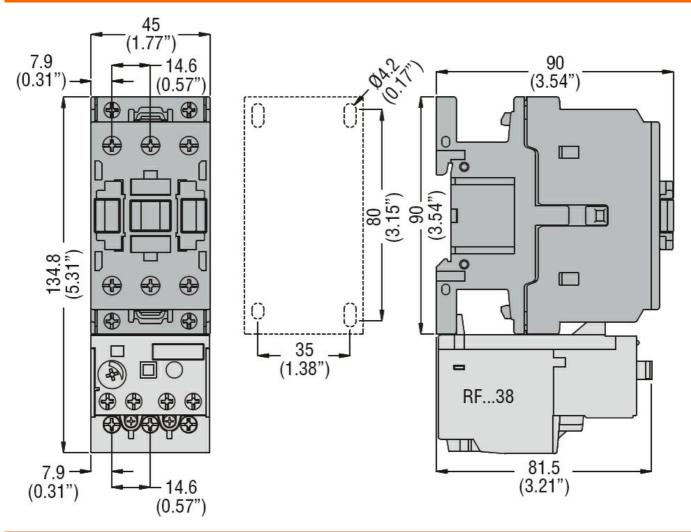
		holding	VA	6.5
	of 60Hz coil powered at 60Hz			
		in-rush	VA	75
		holding	VA	9
Dissipation at holding	≤20°C 50Hz		W	2.5
Max cycles frequency				
Mechanical operation			cycles/h	3600
Operating times				
Average time for Us co	ontrol			
	in AC			
	Closing NO			
		min	ms	8
		max	ms	24
	Opening NO			
		min	ms	5
		max	ms	15
	Closing NC			
		min	ms	9
		max	ms	20
	Opening NC			
		min	ms	9
		max	ms	17
UL technical data				
Rated operational volta	age AC (UL)		V	600
Full-load current (FLA)	for three-phase AC motor			
		at 480V	Α	27
		at 600V	Α	27
Yielded mechanical pe	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				
	Contactor			
		AC current	Α	55
Short-circuit protection	fuse, 600V			
	High fault			
	G · ·	Short circuit current	kA	100
		Fuse rating	A	100
		Fuse class		J
	Standard fault	. 200 01000		<u>-</u>
	2.0.14414 1441	Short circuit current	kA	5
		Fuse rating	A	125
Ambient conditions		1 doc rating	, ,	
Temperature				
Tomporaturo	Operating temperature			
	Operating temperature	min	°C	-50
			°C	-50 70
	Storage temperature	max	U	10
	Storage temperature	min	°C	-60
		111111	U	-00

230VAC

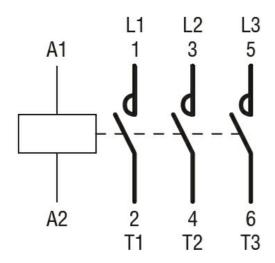


**ENERGY AND AUTOMATION** 

	max	°C	80
Max altitude		m	3000
Resistance & Protection			
Pollution degree			3
Dimensions			



### Wiring diagrams



### Certifications and compliance

#### Compliance



### BF3200A230

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

	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

ETIM 8.0

EC000066 -Power contactor, AC switching