



			•
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-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	Α	32
	110V	Α	27



	220V	Α	23
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
·	≤24V	Α	_
	48V	Α	_
	75V	A	_
	110V	Α	_
	220V		_
IFO	220 V	A	-
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	Α	20
	110V	A	15
IFO was assemble in DOO DOE will I/D 445	220V	A	3
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series		_	
	≤24V	Α	30
	48V	Α	28
	75V	Α	28
	110V	Α	20
	220V	Α	23
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
	≤24V	Α	_
	48V	Α	_
	75V	A	
			_
	110V	A	_
	220V	Α .	
Short-time allowable current for 10s (IEC/EN60947-1)		Α	320
Protection fuse			
	gG (IEC)	Α	63
	aM (IEC)	Α	32
Making capacity (RMS value)		Α	320
Breaking capacity at voltage			
	440V	Α	256
	500V	A	240
	690V	A	192
Desigtance per pale (everage vielve)	090 V		
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	Ibin	1.8
	max	lbin	2.2
Tightening torque for coil terminal	HUX		
rightoning torque for contentinal	nain	Nim	Λ Θ
	min	Nm	0.8
	max	Nm	1
	min	lbin	0.8

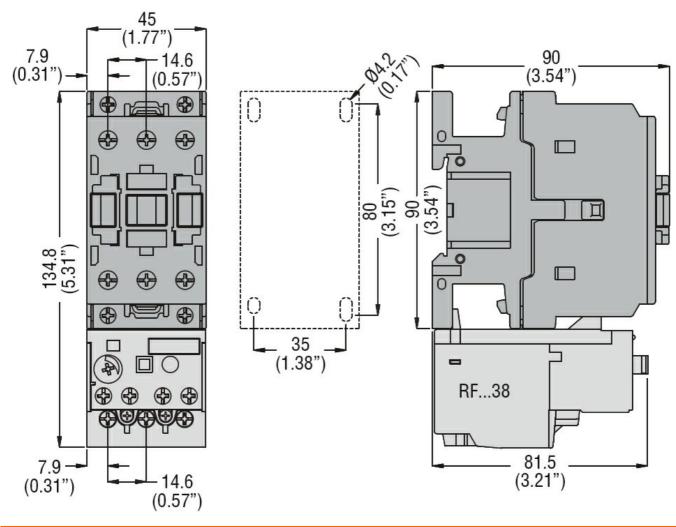


			max	Ibin	0.74
	simultaneously connec	table		Nr.	2
Conductor section	ANA/O/I/				
	AWG/Kcmil				•
	Elevible w/e lese eee		max		6
	Flexible w/o lug cond	ductor section	min	mm²	2.5
				mm²	16
	Flexible c/w lug cond	ductor coction	max		10
	Flexible C/W lug Collic	auctor Section	min	mm²	1
			max	mm²	10
	Flexible with insulate	ed spade lug conductor			10
	TICKIDIC WITH INSUIATO	a space lag conductor	min	mm²	1
			max	mm²	10
			Пах		IP20 when
Power terminal prote	ction according to IEC/E	EN 60529			properly wired
Mechanical features					
Operating position					
			normal		Vertical plan
			allowable		±30°
Fiving.					Screw / DIN rail
Fixing					35mm
Weight				g	432
Operations					
Mechanical life				cycles	20000000
Electrical life				cycles	1600000
Safety related data					
Performance level B	10d according to EN/IS	O 13489-1			
			rated load	cycles	1600000
			mechanical load	cycles	20000000
EMC compatibility					yes
AC coil operating					
Rated AC voltage at 6	60Hz			V	24
AC operating voltage					
	of 60Hz coil powered	d at 60Hz			
		pick-up			
			min	%Us	80
			max	%Us	110
		drop-out			
			min	%Us	20
			max	%Us	55
AC average coil cons					
	of 60Hz coil powered	d at 60Hz			
			in-rush	VA	75
			holding	VA	9
Dissipation at holding				W	2.5
Max cycles frequency					
				cycles/h	3600
•					
Operating times					
Operating times					
Operating times	control in AC	_			
Mechanical operation Operating times Average time for Us o		Closing NO			
Operating times		Closing NO	min max	ms	8 24

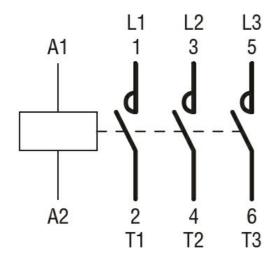


Main		Opening NO			
Closing NC		opolining i to	min	ms	5
Closing NC					
Max		Closing NC	max	1110	10
Copening NC		Sissing IVS	min	ms	9
Common C					
Min max Min		Opening NC	max		
Max Max		oponing 110	min	ms	9
V 600 Full-load current (FLA) for three-phase AC motor					
Rated operational voltage AC (UL)	UL technical data		max	1110	11
Full-load current (FLA) for three-phase AC motor at 480V		ge AC (UL)		V	600
A				•	
Teilded mechanical performance for single-phase AC motor 110/120V HP 3 230V HP 7.5 For three-phase AC motor 110/120V HP 3 230V HP 7.5 For three-phase AC motor 200/208V HP 10 220/230V HP 20 2575/600V HP 25 General USE Contactor AC current A 55 Short-circuit protection fuse, 600V High fault Short-circuit current kA 100 Fuse rating A 100 Fuse class J Standard fault Short circuit current kA 5 Fuse rating A 125 Ambient conditions Temperature Min °C -50 max °C 70 Storage temperature min °C -60 max °C -60 max °C 80 Max altitude min °C -60 max °C 80 Ma	r dir load darront (r Er t)	To three phase No motor	at 480V	Δ	27
Yielded mechanical performance for single-phase AC motor 110/120V HP 3 230V HP 7.5 for three-phase AC motor 200/208V HP 10 460/480V HP 10 220/230V HP 10 460/480V HP 20 575/600V HP 25 General USE Contactor AC current A 55 Short-circuit protection fuse, 600V High fault Short circuit current Fuse rating A 100 Fuse class J Standard fault Short circuit current Fuse rating A 100 Fuse class J Standard fault Short circuit current Fuse rating A 125 Ambient conditions Short circuit current Fuse rating A 125 Temperature Fuse rating A 125 Ambient conditions Temperature Fuse rating A 125 Ambient conditions Temperature Fuse rating A 125 Ambient conditions Temperature Fuse rating A 125 Ambient conditions Temperature Fuse rating A 125 Ambient conditions Temperature Fuse rating A 125 Ambient conditions Temperature Fuse rating A 125 Ambient conditions Temperature Fuse rating A 125 Ambient conditions Temperature Fuse rating A 125 Ambient conditions Temperature Fuse rating A 125 Ambient conditions Temperature Fuse rating A 125 Ambient conditions					
For single-phase AC motor 110/120V	Violded mechanical no	rformanco	at 000 V		۷1
110/120V	rielded mechanical per				
Short-circuit protection fuse, 600V High fault Short circuit current KA 5		ioi single-phase AC motor	440/400\/	UD	2
For three-phase AC motor 200/208V HP 10 220/230V HP 10 220/230V HP 10 460/480V HP 20 575/600V HP 25 25 25 25 25 25 25 2					
200/208V		full and the AQ and the	2300	ПР	7.5
Contactor		for three-phase AC motor	000/000	ш	4.0
A60/480V					
S75/600V					
Contactor AC current A 55					
Contactor			575/600V	HP	25
AC current	General USE	_			
Short-circuit protection fuse, 600V		Contactor		_	
High fault			AC current	A	55
Short circuit current Fuse rating Fuse rating Fuse class Fuse rating Fuse rating	Short-circuit protection				
Fuse rating Fuse class J		High fault			
Fuse class J					
Standard fault Short circuit current KA 5 Fuse rating A 125			<u> </u>	Α	100
Short circuit current Fuse rating			Fuse class		
Fuse rating A 125		Standard fault			
Ambient conditions Temperature			Short circuit current	kA	5
Operating temperature			Fuse rating	Α	125
Operating temperature min °C -50 max °C 70 Storage temperature min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection Pollution degree 3					
min min max °C -50 max -50 max Storage temperature min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection 3	Temperature				
max °C 70 Storage temperature min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection 3		Operating temperature			
Storage temperature min or or of color o			min		-50
min min max °C -60 regree Max altitude m 3000 Resistance & Protection 3			max	°C	70
min min max °C -60 regree Max altitude m 3000 Resistance & Protection 3		Storage temperature			
Max altitude m 3000 Resistance & Protection Pollution degree 3			min	°C	-60
Resistance & Protection Pollution degree 3			max	°C	80
Pollution degree 3	Max altitude			m	3000
Pollution degree 3	Resistance & Protectio	n			
					3





Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1

IEC/EN/BS 60335-1

IEC/EN/BS 60947-1

IEC/EN/BS 60947-4-1



ENERGY AND AUTOMATION

BF3200A024V260

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, AC COIL 50/60HZ, 24VAC - IEC/EN/BS 60335-1

	UL 60947-1	
	UL 60947-4-1	
Certificates		
	CCC	
	cULus	
	EAC	

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching