



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			05
	min	Hz	25
IFO Opening tion of face, sighthere all summer tith	max	Hz	400
IEC Conventional free air thermal current Ith Operational current le		A	56
Operational current le	$A = 1 (< 10^{\circ} = 1)$	٨	56
	AC-1 (≤40°C) AC-1 (≤55°C)	A	45
	AC-1 (≤35 C) AC-1 (≤70°C)	A A	40
	AC-3 (≤440V ≤55°C)	A	32
	AC-3 (3440V 355 C) AC-4 (400V)	A	13.5
Rated operational power AC-3 (T≤55°C)	AO-4 (400V)	~	15.5
	230V	kW	8.8
	400V	kW	16
	400V 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	А	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	A	28
	110V	А	25
	220V	A	3
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series	.	-	
	≤24V	A	32
	48V	A	32
	75V	A	32
	110V	A	27

ENERGY AND AUTOMATION

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

	220V	А	23
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	2200	A	23
The current le in Der with Erres mis 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 ≤ 15ms with 1 poles in series		,,	
	≤24V	А	20
	48V	А	17
	75V	А	15
	110V	А	2,5
	220V	А	_
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 2 poles in series			
	≤24V	А	25
	48V	А	22
	75V	А	20
	110V	А	15
	220V	А	3
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 3 poles in series			
	≤24V	А	30
	48V	А	28
	75V	А	28
	110V	А	20
	220V	А	23
IEC max current le in DC3-DC5 with L/R \leq 15ms with 4 poles in series			
	≤24V	А	-
	48V	А	_
	75V	А	_
	110V	А	_
	220V	Α	-
Short-time allowable current for 10s (IEC/EN60947-1)		Α	320
Protection fuse			
	gG (IEC)	A	63
	aM (IEC)	A	32
Making capacity (RMS value)		A	320
Breaking capacity at voltage			
	440V	A	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			
	min	Nm	2.5
	max	Nm	3
	min	lbin	1.8
	max	lbin	2.2

Tightening torque for coil terminal

Nm

Nm

Ibin

min max

min

0.8

0.8

1

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lbin 0.74 max Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 6 Flexible w/o lug conductor section min mm² 2.5 mm² 16 max Flexible c/w lug conductor section mm² 1 min max mm² 10 Flexible with insulated spade lug conductor section mm² 1 min mm² 10 max IP20 when Power terminal protection according to IEC/EN 60529 properly wired Mechanical features Operating position Vertical plan normal ±30° allowable Screw / DIN rail Fixing 35mm Weight 432 g Conductor section AWG/kcmil conductor section max 6 Operations 20000000 Mechanical life cycles Electrical life 1600000 cycles Safety related data Performance level B10d according to EN/ISO 13489-1 1600000 rated load cycles mechanical load cycles 20000000 Mirror contats according to IEC/EN 609474-4-1 yes EMC compatibility yes AC coil operating Rated AC voltage at 60Hz V 24 AC operating voltage of 60Hz coil powered at 60Hz pick-up %Us 80 min max %Us 110 drop-out min %Us 20 %Us 55 max AC average coil consumption at 20°C of 60Hz coil powered at 60Hz in-rush VA 75 VA 9 holding 2.5 Dissipation at holding ≤20°C 50Hz W Max cycles frequency Mechanical operation cycles/h 3600 Operating times

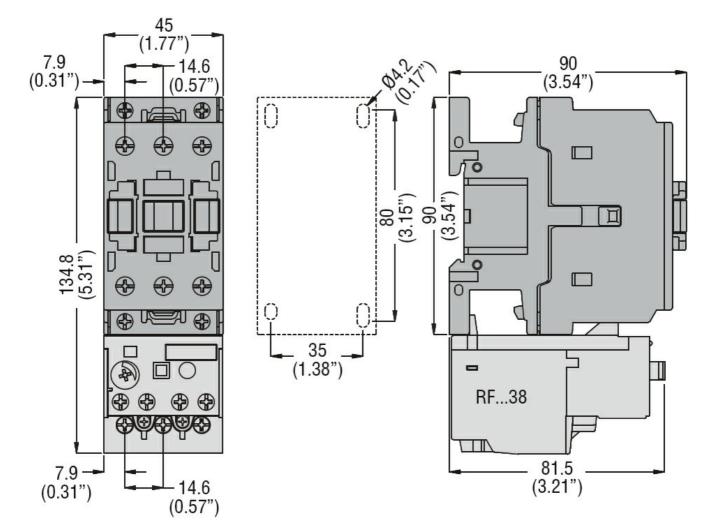


Average time for Us	control				
	in AC				
	Clo	osing NO			
		-	min	ms	8
			max	ms	24
	Op	ening NO			
			min	ms	5
			max	ms	15
	Clo	osing NC			
			min	ms	9
			max	ms	20
	Op	ening NC			
			min	ms	9
			max	ms	17
UL technical data					
Full-load current (FL/	A) for three-phase AC motor		- 1001/	۸	07
			at 480V	A	27
Vialdad waab awiaal w			at 600V	A	27
Yielded mechanical p					
	for single-phase AC motor		110/120V	HP	3
			230V	нР НР	3 7.5
	for three-phase AC motor		2301	ΠF	7.5
	for three-phase AC motor		200/208V	HP	10
			220/200V 220/230V	HP	10
			460/480V	HP	20
			575/600V	HP	25
General USE			010,0001		20
	Contactor				
			AC current	А	55
Short-circuit protection	on fuse, 600V				
	High fault				
	3		Short circuit current	kA	100
			Fuse rating	А	100
			Fuse class		J
	Standard fault				
			Short circuit current	kA	5
			Fuse rating	А	125
Ambient conditions					
Temperature					
	Operating temperature				
			min	°C	-50
			max	°C	70
	Storage temperature			0.7	
			min	°C	-60
R.A. 1/1/2 1			max	°C	80
Max altitude				m	3000
Resistance & Protec	lion				2
Pollution degree					3
Dimensions					

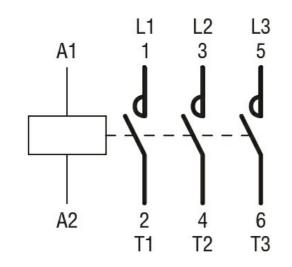
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Wiring diagrams



Certifications and compliance

Compliance	
	CSA C22.2 n° 60947-1
	CSA C22.2 n° 60947-4-1
	IEC/EN/BS 60335-1
	IEC/EN/BS 60947-1
	IEC/EN/BS 60947-4-1



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 8.0

EC000066 -Power contactor, AC switching