



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



BF3200D048

# THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, DC COIL, 48VDC

	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			
TEO THAX OUT OF THE DOO DOO WITH EATY = TOTHO WITH 2 POICE IT SCHOOL	≤24V	Α	25
	48V	A	22
	75V	A	20
	110V	A	15
	220V	A	3
IFC many augment to in DC2 DC5 with 1/D < 15 may with 2 males in across	220 V	A	<u> </u>
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	20AV	^	20
	≤24V	A	30
	48V	A	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	Α	_
	110V	Α	-
	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	Α	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	7.0 0	V V	
rightering torque for terminals	min	Nm	2.5
	max	Nm	3
	min	Ibin	3 1.8
Tightoning targue for sail terminal	max	Ibin	2.2
Tightening torque for coil terminal		N.L.	0.0
	min	Nm	0.8
	max	Nm	1
	min	lbin	0.8



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Manager	- Control of the cont	max	Ibin	0.74
	simultaneously connectable		Nr.	2
Conductor section	AMC/Komil			
	AWG/RCIIII	max	Nr. 2    Nr. 2	6
	Flexible w/o lug conductor section	IIIAX		0
	Tionible W/e rag defraction destricts	min	mm²	2.5
		max		
	Flexible c/w lug conductor section			
	-	min	mm²	1
		max	mm²	10
	Flexible with insulated spade lug conductor section			
		min		
		max	mm²	
Power terminal protect	ction according to IEC/EN 60529			
·	<u>.</u>			properly wired
Operating position		normal		Vertical plan
		allowable		· ·
		anomable		Screw / DIN rail
Fixing				
Weight	AWG/kcmil conductor section		g	560
Conductor section				
	AWG/kcmil conductor section			
Flexible with insulated spade lug or Power terminal protection according to IEC/EN 60529  Mechanical features Operating position  Fixing  Weight Conductor section  AWG/kcmil conductor section  Operations  Mechanical life Electrical life Safety related data Performance level B10d according to EN/ISO 13489-1  Mirror contats according to IEC/EN 609474-4-1  EMC compatibility DC coil operating DC rated control voltage DC operating voltage  pick-up  drop-out  Average coil consumption ≤20°C  Max cycles frequency Mechanical operation Operating times Average time for Us control in AC		max		6
•				
			cycles	1600000
	0.1			
Performance level B1	od according to EN/ISO 13489-1	المحمد المحمد	a, rala a	1000000
	m	rated load nechanical load	-	
Mirror contate accord		lecriariicai ioau	Cycles	
	ing to IEC/EN 003474-4-1			
				yes
	age		V	48
	<u> </u>			<del>-</del>
, ,	pick-up			
	•	min	%Us	70
		max	%Us	125
	drop-out		· <u> </u>	
		min		
		max	%Us	40
Average coil consump	otion ≤20°C		,	
		in-rush		
May avalor from the		holding	VV	5.4
			0.40100/1-	2600
			cycles/h	3000
	control			
Average unite tot US 0				
	IN AC			

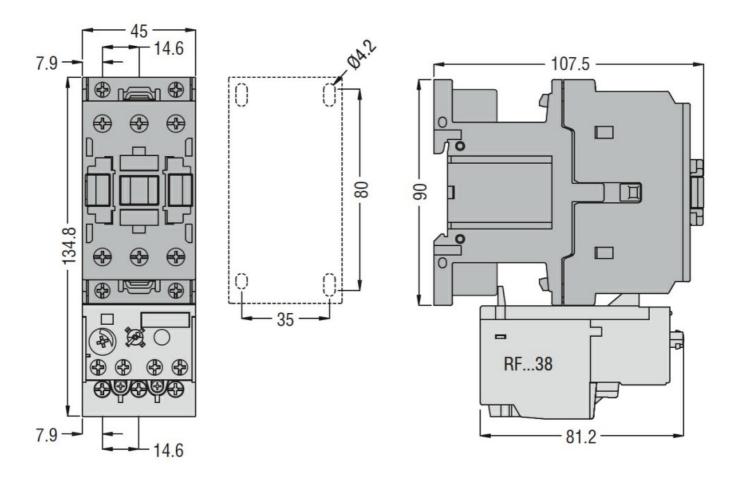
Closing NO



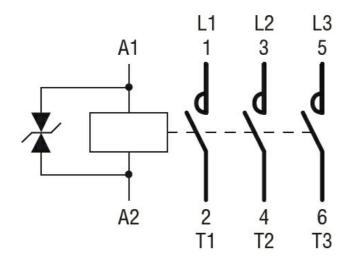
# THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, DC COIL, 48VDC

			min	ms	8
			max	ms	24
		Opening NO	IIIax	1115	24
		Opening NO	min	<b>m</b> o	E
			min	ms	5
		OL : NO	max	ms	15
		Closing NC			
			min	ms	9
			max	ms	20
		Opening NC			
			min	ms	9
			max	ms	17
	in DC				
		Closing NO			
			min	ms	54
			max	ms	66
		Opening NO			
		, ,	min	ms	14
			max	ms	17
UL technical data			Пил	5	· ·
Full-load current (FLA)	for three-phase AC	motor			
i uii-ioau cuitetti (FLA)	noi unee-phase AC	1110101	at 480V	Α	27
VC 11 1 1 1 1 1	•		at 600V	Α	27
Yielded mechanical pe					
	for single-phase A	C motor			
			110/120V	HP	3
			230V	HP	7.5
	for three-phase A	C motor			
			200/208V	HP	10
			220/230V	HP	10
			460/480V	HP	20
			575/600V	HP	25
General USE					
	Contactor				
	Comadion		AC current	Α	55
Short-circuit protection	fuco 600\/		Ao carrent		
onort-circuit protection					
	High fault		Object almost to the control	Ι. Λ	100
			Short circuit current	kA	100
			Fuse rating	Α	100
			Fuse class		
	Standard fault				
			Short circuit current	kA	5
			Fuse rating	Α	125
Ambient conditions					
Temperature					
	Operating tempera	ature			
			min	°C	-50
			max	°C	70
	Storage temperati	ıre			
	Storage temperati	A. •	min	°C	-60
				°C	80
Max altitude			max		
				m	3000
Resistance & Protection	on-				
Pollution degree					3
Dimensions					





### 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



### BF3200D048

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, DC COIL, 48VDC

cULus			
EAC			

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching