

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



Product designation Product type designation			Power contactor 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
9	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
150	220V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series		_	
	≤24V	A	32
	48V	A	32
	75V	A	28
	110V	A	25
IFC many assemble in DC4 with L/D < 4 with 0 1 :	220V	A	3
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	-0.01	Δ.	0.0
	≤24V	A	32
	48V	A	32
	75V 110V	A	32 27
	1100	Α	۷1





THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, AC COIL 60HZ, 24VAC

	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 LID 445. Which is not a second of the control of	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
Perintense per pela (everage vielva)	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



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		max	lbin	0.74
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			_
		max		6
	Flexible w/o lug conductor section		2	0.5
		min	mm²	2.5
	Florible alvelus conductor acction	max	mm²	16
	Flexible c/w lug conductor section	min	mm²	1
		max	mm²	10
	Flexible with insulated spade lug conductor section	IIIdx	111111	10
	r lexible with insulated space lag conductor section	min	mm²	1
		max	mm²	10
				IP20 when
Power terminal protect	ction according to IEC/EN 60529			properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight			g	422
Conductor section				
	AWG/kcmil conductor section			
		max		6
Operations				
Mechanical life			cycles	20000000
Electrical life			cycles	1600000
Safety related data				
Performance level B1	0d according to EN/ISO 13489-1			
		rated load	cycles	1600000
Minnen contate consul		echanical load	cycles	2000000
	ing to IEC/EN 609474-4-1			yes
EMC compatibility AC coil operating				yes
Rated AC voltage at 6	S0H ₇		V	24
AC operating voltage	OOI 12.		V	24
Ac operating voltage	of 60Hz coil powered at 60Hz			
	pick-up			
	γιου αρ	min	%Us	80
		max	%Us	110
	drop-out		-	
		min	%Us	20
		max	%Us	55
AC average coil cons	umption at 20°C			
	of 60Hz coil powered at 60Hz			
		in-rush	VA	75
		holding	VA	9
Dissipation at holding			W	2.5
Max cycles frequency				
Max cycles frequency Mechanical operation Operating times			cycles/h	3600



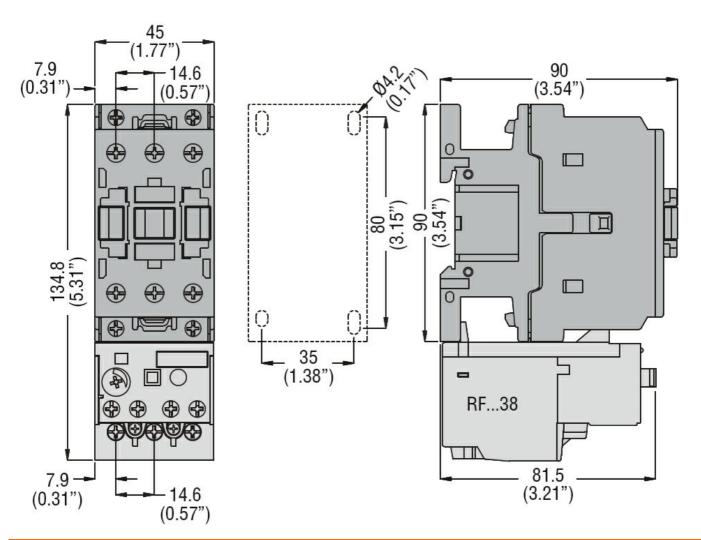


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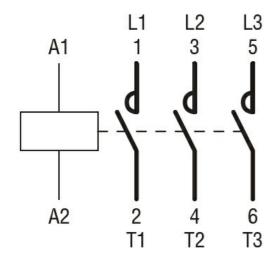
Average time for Us control	
in AC	
Closing NO	
min ms	8
max ms	24
Opening NO	
min ms	5
max ms	15
Closing NC	
min ms	
max ms	20
Opening NC	
min ms	
max ms	17
UL technical data	
Full-load current (FLA) for three-phase AC motor	
at 480V A	27
at 600V A	27
Yielded mechanical performance	
for single-phase AC motor	_
110/120V HP	
	7.5
for three-phase AC motor	4.0
200/208V HP	
220/230V HP	
460/480V HP	
575/600V HP	25
General USE	
Contactor	
AC current A	55
Short-circuit protection fuse, 600V	
High fault Short circuit current kA	100
	100
Fuse rating A Fuse class	J
Standard fault	J
Short circuit current kA	5
Fuse rating A	125
Ambient conditions	120
Temperature	
Operating temperature	
min °C	-50
max °C	
Storage temperature	
min °C	-60
max °C	
Max altitude m	3000
Resistance & Protection	
Pollution degree	3
Dimensions	

ENERGY AND AUTOMATION

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



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



BF3200A02460

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

	UL 60947-4-1	
Certificates		
	CCC	
	cULus	
	EAC	
ETIM classificatio	n	

ETIM 8.0

EC000066 -Power contactor, AC switching