



Product designation	Power contactor
Product type designation	BF32

Contact characteristics			
		Nle	3
Number of poles		Nr. V	
Rated insulation voltage Ui IEC/EN			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)			
raisa oporational portor (1=10 0)	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	030 V	KVV	02
TEC max current le in DCT with E/N = mis with 1 poles in series	≤24V	۸	30
		A	
	48V	A	26
	75V	A	22
	110V	A	8
150 H. J. BOA W. J. B. J. J. W. G. J.	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	2201		
	≤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	Α	20
	110V	Α	15
	220V	Α	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	Α	_
	110V	Α	_
	220V	A	_
Short-time allowable current for 10s (IEC/EN60947-1)		Α	320
Protection fuse	0 (150)	•	0.0
	gG (IEC)	A	63
Malian and the (DMO) at all	aM (IEC)	A	32
Making capacity (RMS value)		Α	320
Breaking capacity at voltage	4.4017	^	250
	440V 500V	A	256
	690V	A	240
Desigtance per pela (average value)	690 v	A	192
Resistance per pole (average value)		mΩ	2
Power dissipation per pole (average value)	Ith	۱۸/	6
	AC3	W	6 2
Tightening torque for terminals	ACS	VV	
rightening torque for terminals	min	Nm	2.5
	max	Nm	2.5 3
	min	Ibin	1.8
	max	Ibin	2.2
Tightening torque for coil terminal	Παλ	10111	L.L
rights and to do to the control of t	min	Nm	0.8
	max	Nm	1
	min	Ibin	0.8
	111111	10111	0.0



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Manager of the same	Configuration of the configura	max	Ibin	0.74
	simultaneously connectable		Nr.	2
Conductor section	ANA/O///!!			
	AWG/Kcmil	may		6
	Flexible w/o lug conductor section	max		0
	r lexible w/o lug corludctor section	min	mm²	2.5
		max	mm²	16
	Flexible c/w lug conductor section			
	ŭ	min	mm²	1
		max	mm²	10
	Flexible with insulated spade lug conductor section	n		
		min	mm²	1
		max	mm²	10
Power terminal protec	tion according to IEC/EN 60529			IP20 when properly wired
Mechanical features				properly wired
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail
			_	35mm
Weight			g	424
Conductor section	AWG/kcmil conductor section			
	AVVG/kcmii conductor section	may		6
Operations		max		O
Mechanical life			cycles	20000000
Electrical life			cycles	1600000
Safety related data			0,0.00	
	0d according to EN/ISO 13489-1			
	•	rated load	cycles	1600000
		mechanical load	cycles	20000000
Mirror contats accordi	ng to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 5	0/60Hz		V	230
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up		0/116	0.0
		min	%Us %Us	80 110
	drop-out	max	/0US	110
	GIOP OUL	min	%Us	20
		max	%Us	55
	of 50/60Hz coil powered at 60Hz			
	pick-up			
	· ·	min	%Us	85
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	55
AC average coil consu				
	of 50/60Hz coil powered at 50Hz			



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		in-rush	VA	75
		holding	VA	9
	of 50/60Hz coil powered at 60Hz			-
	o. 00/00.12 00.1 po.110.00 0.1 00.1.2	in-rush	VA	70
			VA	6.5
	of COLL— and a control of COLL—	holding	VA	0.5
	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			0,000,00	
Average time for Us co	ontrol			
Average lime for 03 cc				
	in AC			
	Closing NO	_		
		min	ms	8
		max	ms	24
	Opening NO			
	· -	min	ms	5
		max	ms	15
	Closing NC	. nex		-
	Closing NC	min	ms	9
	0	max	ms	20
	Opening NC	_		
		min	ms	9
		max	ms	17
UL technical data				
Full-load current (FLA)	for three-phase AC motor			
	·	at 480V	Α	27
		at 600V	Α	27
Yielded mechanical pe	arformance	4, 555		- -
ricided mediamedi pe				
	for single-phase AC motor	440/400/	LID	•
		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		2.0,000 V		-
Contra COL	Contactor			
	Contactor	A O	٨	EE
01 / 1 / 1	(000)/	AC current	Α	55
Short-circuit protection				
	High fault			
		Short circuit current	kA	100
		Fuse rating	Α	100
		Fuse class		J
	Standard fault			
	Canada adit	Short circuit current	kA	5
A and the second second		Fuse rating	Α	125
Ambient conditions				
Temperature				
	Operating temperature			
	operating temperature			
	operating temperature	min	°C	-50

3

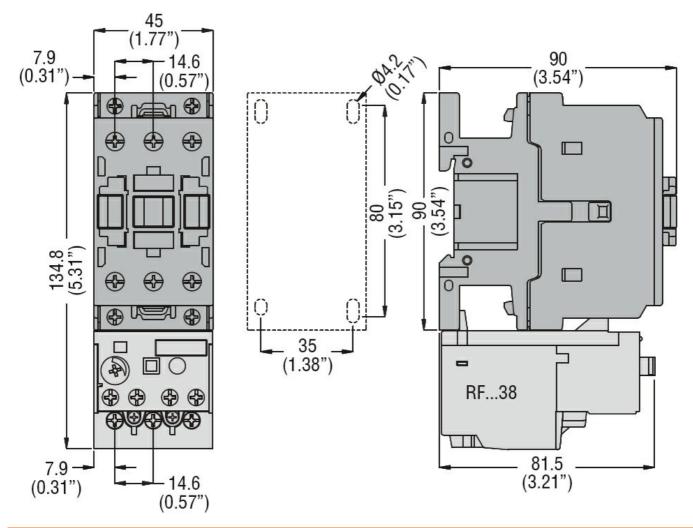


	max	°C	70
Storage temperature			
	min	°C	-60
	max	°C	80

Max altitude m 3000
Resistance & Protection

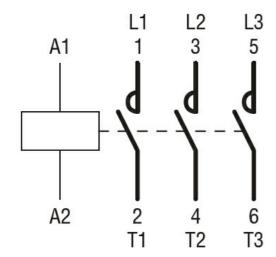
Pollution degree

Dimensions [mm (in)]



Wiring diagrams





Cermicanons	anu	COITI	ullall	UE.
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

cULus

EAC

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching