



Product designation			Power contactor
Product type designation			BF32
Contact characteristics		Nla	2
Number of poles		Nr. V	3
Rated insulation voltage Ui IEC/EN		kV	690
Rated impulse withstand voltage Uimp		KV	6
Operational frequency	min		25
	min	Hz Hz	25 400
IEC Conventional free air thermal current Ith	max	A	56
Operational current le		A	50
	AC-1 (≤40°C)	А	56
	AC-1 (≤40 C) AC-1 (≤55°C)	A	45
	AC-1 (≤35 C) AC-1 (≤70°C)	A	40
	AC-3 (≤440V ≤55°C)	A	32
	AC-4 (400V)	A	13.5
Rated operational power AC-3 (T≤55°C)		~	10.0
	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	А	_
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	≤24V	А	32
	48V	А	32
	75V	А	28
	110V	А	25
	220V	Α	3
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
	≤24V	А	32
	48V	А	32
	75V	А	32
	110V	А	27



	220V	А	23	
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series				
	≤24V	А	_	
	48V	A	_	
	75V	A	_	
	110V	A		
	220V	A	_	
	2200	A		
IEC max current le in DC3-DC5 with L/R \leq 15ms with 1 poles in series				
	≤24V	A	20	
	48V	A	17	
	75V	А	15	
	110V	Α	2,5	
	220V	А	-	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series				
	≤24V	А	25	
	48V	А	22	
	75V	A	20	
	110V	A	15	
	220V			
	2207	A	3	
IEC max current le in DC3-DC5 with L/R \leq 15ms with 3 poles in series		-		
	≤24V	A	30	
	48V	А	28	
	75V	Α	28	
	110V	А	20	
	220V	А	23	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series				
	≤24V	А	_	
	48V	А	_	
	75V	A	_	
	110V	A	_	
	220V	A	_	
Chart time allowable automate for 100 (IEC/ENCO017.4)	220 V	A		
Short-time allowable current for 10s (IEC/EN60947-1)		A	320	
Protection fuse		_		
	gG (IEC)	А	63	
	aM (IEC)	Α	32	
Making capacity (RMS value)		Α	320	
Breaking capacity at voltage				
	440V	А	256	
	500V	А	240	
	690V	A	192	
Resistance per pole (average value)		mΩ	2	
Power dissipation per pole (average value)		11132	-	
i over assipation per pole (average value)	146	W	6	
	Ith		6	
The second function of the second sec	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				
	min	Nm	0.8	
	max	Nm	1	
	min	Ibin	0.8	
	111111		0.0	



Max number of wires	simultanoously connectable	max	lbin Nr	0.74
	simultaneously connectable		Nr.	2
Conductor section	AWG/Kcmil			
	AWG/KCIIII	may		6
	Flexible w/o lug conductor section	max		0
		min	mm²	2.5
		max	mm²	16
	Flexible c/w lug conductor section			
	J. J	min	mm²	1
		max	mm²	10
	Flexible with insulated spade lug conductor section			
		min	mm²	1
		max	mm²	10
Power terminal prote	ction according to IEC/EN 60529			IP20 when
Mechanical features	U U			properly wired
Operating position				
		normal		Vertical plan
		allowable		±30°
				Screw / DIN rail
Fixing				35mm
Weight			g	422
Conductor section				
	AWG/kcmil conductor section			
		max		6
Operations				
Mechanical life			cycles	2000000
Electrical life Safety related data			cycles	1600000
	10d according to EN/ISO 13489-1			
		rated load	cycles	160000
	me	rated load	cycles cycles	1600000 20000000
Mirror contats accord		rated load chanical load	cycles cycles	20000000
	me ling to IEC/EN 609474-4-1		•	20000000 yes
Mirror contats accord EMC compatibility AC coil operating			•	20000000
EMC compatibility	ling to IEC/EN 609474-4-1		•	20000000 yes
EMC compatibility AC coil operating	ling to IEC/EN 609474-4-1 60Hz		cycles	20000000 yes yes
EMC compatibility AC coil operating Rated AC voltage at 6	ling to IEC/EN 609474-4-1 60Hz of 60Hz coil powered at 60Hz		cycles	20000000 yes yes
EMC compatibility AC coil operating Rated AC voltage at 6	ling to IEC/EN 609474-4-1 60Hz	chanical load	V	20000000 yes yes 220
EMC compatibility AC coil operating Rated AC voltage at 6	ling to IEC/EN 609474-4-1 60Hz of 60Hz coil powered at 60Hz	chanical load	V V %Us	20000000 yes yes 220 80
EMC compatibility AC coil operating Rated AC voltage at 6	ling to IEC/EN 609474-4-1 60Hz of 60Hz coil powered at 60Hz pick-up	chanical load	V	20000000 yes yes 220
EMC compatibility AC coil operating Rated AC voltage at 6	ling to IEC/EN 609474-4-1 60Hz of 60Hz coil powered at 60Hz	chanical load min max	V V %Us %Us	20000000 yes yes 220 80 110
EMC compatibility AC coil operating Rated AC voltage at 6	ling to IEC/EN 609474-4-1 60Hz of 60Hz coil powered at 60Hz pick-up	chanical load min max min	V V %Us %Us %Us	20000000 yes yes 220 80 110 20
EMC compatibility AC coil operating Rated AC voltage at 6 AC operating voltage	ling to IEC/EN 609474-4-1 60Hz of 60Hz coil powered at 60Hz pick-up drop-out	chanical load min max	V V %Us %Us	20000000 yes yes 220 80 110
EMC compatibility AC coil operating Rated AC voltage at 6	60Hz of 60Hz coil powered at 60Hz pick-up drop-out	chanical load min max min	V V %Us %Us %Us	20000000 yes yes 220 80 110 20
EMC compatibility AC coil operating Rated AC voltage at 6 AC operating voltage	ling to IEC/EN 609474-4-1 60Hz of 60Hz coil powered at 60Hz pick-up drop-out	min max min max	V V %Us %Us %Us %Us	20000000 yes yes 220 80 110 20 55
EMC compatibility AC coil operating Rated AC voltage at 6 AC operating voltage	60Hz of 60Hz coil powered at 60Hz pick-up drop-out	chanical load min max min max in-rush	v v v v v v v v v v v v v v v v v v v	20000000 yes yes 220 80 110 20 55 75
EMC compatibility AC coil operating Rated AC voltage at 6 AC operating voltage	60Hz of 60Hz coil powered at 60Hz pick-up drop-out sumption at 20°C of 60Hz coil powered at 60Hz	min max min max	V V %Us %Us %Us %Us	20000000 yes yes 220 80 110 20 55
EMC compatibility AC coil operating Rated AC voltage at 6 AC operating voltage	bing to IEC/EN 609474-4-1 60Hz of 60Hz coil powered at 60Hz pick-up drop-out sumption at 20°C of 60Hz coil powered at 60Hz	chanical load min max min max in-rush	v v v v v v v v v v s v v s v v a v A v v	20000000 yes yes 220 80 110 20 55 75 9
EMC compatibility AC coil operating Rated AC voltage at 6 AC operating voltage AC average coil cons Dissipation at holding	iing to IEC/EN 609474-4-1 60Hz of 60Hz coil powered at 60Hz pick-up drop-out sumption at 20°C of 60Hz coil powered at 60Hz j ≤20°C 50Hz	chanical load min max min max in-rush	v v v v v v v v v v s v v s v v a v A v v	20000000 yes yes 220 80 110 20 55 75 9 2.5

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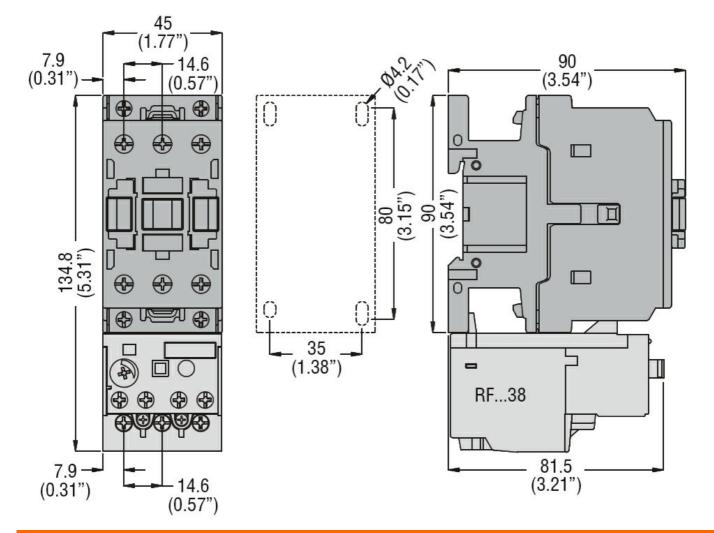


Average time for Us c	ontrol			
-	in AC			
	Closing NO			
		min	ms	8
		max	ms	24
	Opening NO			
		min	ms	5
		max	ms	15
	Closing NC			2
		min	ms	9
		max	ms	20
	Opening NC	min	ma	9
		max	ms ms	5 17
UL technical data		IIIdA	1113	17
) for three-phase AC motor			
		at 480V	А	27
		at 600V	A	27
Yielded mechanical p	erformance			
	for single-phase AC motor			
		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				
	Contactor			
		AC current	A	55
Short-circuit protection				
	High fault			
		Short circuit current	kA	100
		Fuse rating	A	100
	Standard fault	Fuse class		J
	Sianuaru laul	Short circuit current	kA	5
		Fuse rating	кА А	5 125
Ambient conditions			~	120
Temperature				
	Operating temperature			
	- I9herenee	min	°C	-50
		max	°Č	70
	Storage temperature			
	. .	min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Protecti	ion			
Pollution degree				3
Dimensions				

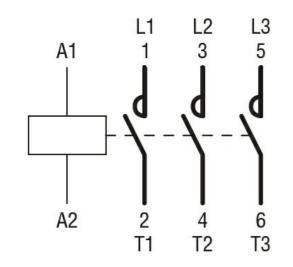
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THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, AC COIL 60HZ, 220VAC



Wiring diagrams



Certifications and 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		

Compliance



	UL 60947-4-1	
Certificates		
	CCC	
	cULus	
	EAC	
ETIM classification	1	
		EC000066 -

ETIM 8.0

Power contactor, AC switching