



Product designation Product type designation			Power contactor BF32
Contact characteristics			DI 32
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Operational frequency			
operational inequality	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



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, DC COIL, 12VDC

	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.	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	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	A	240
	690V	Α	192
Resistance per pole (average value)		mΩ	2
Power dissipation per pole (average value)			
	Ith	W	6
	AC3	W	2
Tightening torque for terminals			
	min	Nm	2.5
	max	Nm	3
	min	Ibin	1.8
		Ibin	2.2
Tightoning torque for coil torminal	max	וווטו	۷.۷
Tightening torque for coil terminal			2.2
	min	Nm	0.8
	max	Nm	1
	min	lbin	0.8



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, DC COIL, 12VDC

May number of wires	simultaneously connectable	max	Ibin Nr.	0.74
Conductor section	simultaneously connectable		INI.	
Soliductor section	AWG/Kcmil			
	AWO/RCIIII	max		6
	Flexible w/o lug conductor section	max		0
	Tionible w/o lag conductor section	min	mm²	2.5
		max	mm²	16
	Flexible c/w lug conductor section			
		min	mm²	1
		max	mm²	10
	Flexible with insulated spade lug conductor section			
	1 0	min	mm²	1
		max	mm²	10
Dower terminal protec	ation according to IEC/EN 60520			IP20 when
Power terminal protec	ction according to IEC/EN 60529			properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight			g	562
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
		nechanical load	cycles	20000000
	ing to IEC/EN 609474-4-1			yes
EMC compatibility				yes
DC coil operating				10
DC rated control volta	•		V	12
DC operating voltage				
	pick-up		0/11	70
		min	%Us	70
	dana and	max	%Us	125
	drop-out		0/11	4.0
		min	%Us	10
A	-ti <00°C	max	%Us	40
Average coil consum	otion ≤20°C	• •	147	F 4
		in-rush	W	5.4
Max avales from	<u> </u>	holding	W	5.4
Max cycles frequency			a. (=1 = - /I	2000
Mechanical operation			cycles/h	3600
Operating times	nontrol .			
Average time for Us of				
	in AC			

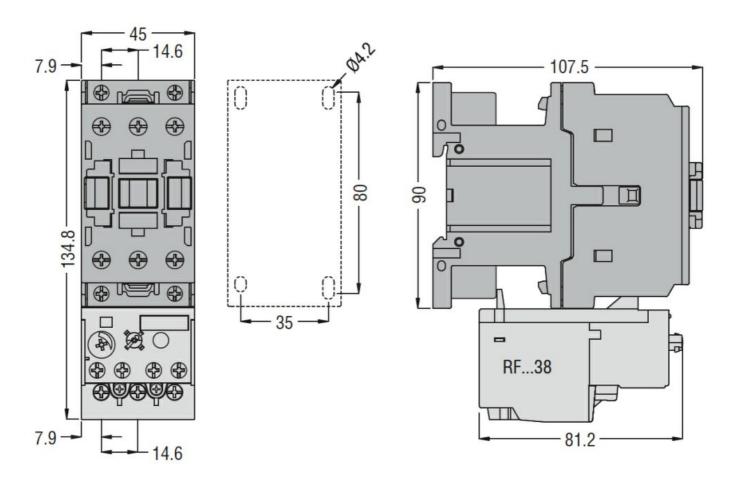
Closing NO



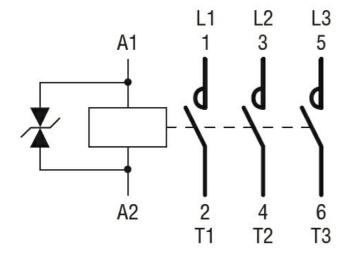
THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, DC COIL, 12VDC

			min	ms	8
			max	ms	24
		Opening NO	max	1115	24
		Opening NO			_
			min	ms	5
			max	ms	15
		Closing NC			
			min	ms	9
			max	ms	20
		Opening NC			
			min	ms	9
			max	ms	17
	in DC				
		Closing NO			
		5.55m.g	min	ms	54
			max	ms	66
		Opening NO	max	1113	00
		Opening NO	main	ma	1.4
			min	ms	14
			max	ms	17
UL technical data					
Full-load current (FLA)) tor three-phase A	C motor			
			at 480V	Α	27
			at 600V	Α	27
Yielded mechanical pe	erformance				
	for single-phase	AC motor			
	5 1		110/120V	HP	3
			230V	HP	7.5
	for three-phase	AC motor	2001	• • • • • • • • • • • • • • • • • • • •	7.0
	ioi tilico pilaso i	AO MOIO	200/208V	HP	10
			220/230V	HP	10
			460/480V	HP	20
			575/600V	HP	25
General USE					
	Contactor				
			AC current	Α	55
Short-circuit protection	n fuse, 600V				
	High fault				
	J		Short circuit current	kA	100
			Fuse rating	Α	100
			Fuse class		J
	Standard fault		1 400 01400		
	Standard radit		Short circuit current	kA	5
A mala i a materia de aditiona a			Fuse rating	Α	125
Ambient conditions					
Temperature					
	Operating temper	erature			
			min	°C	-50
			max	°C	70
	Storage tempera	iture			
	-		min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protection	on				
Pollution degree					3
Dimensions [mm (in)]					J
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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 60947-1

IEC/EN/BS 60947-4-1

UL 60947-1

UL 60947-4-1

Certificates

CCC



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, DC COIL, 12VDC

cULus			
EAC			

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching





Product designation			Power contactor
Product type designation Contact characteristics			BF32
		Nr.	3
Number of poles		V	690
Rated insulation voltage Ui IEC/EN		kV	6
Rated impulse withstand voltage Uimp		KV	0
Operational frequency			0.5
	min	Hz	25
IFC Conventional free oil the amend as weart like	max	Hz	400
IEC Conventional free air thermal current Ith		Α	56
Operational current le	A O A (440°O)	^	50
	AC-1 (≤40°C)	A	56
	AC-1 (≤55°C)	A	45
	AC-1 (≤70°C)	A	40
	AC-3 (≤440V ≤55°C)	Α	32
	AC-4 (400V)	A	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



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, DC COIL, 24VDC

	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.	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	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	A	240
	690V	Α	192
Resistance per pole (average value)		mΩ	2
Power dissipation per pole (average value)			
	Ith	W	6
	AC3	W	2
Tightening torque for terminals			
	min	Nm	2.5
	max	Nm	3
	min	Ibin	1.8
		Ibin	2.2
Tightoning torque for coil torminal	max	וווטו	۷.۷
Tightening torque for coil terminal			2.2
	min	Nm	0.8
	max	Nm	1
	min	lbin	0.8



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, DC COIL, 24VDC

	max	Ibin	0.74
Max number of wires s	simultaneously connectable	Nr.	2
Conductor section			
	AWG/Kcmil		
	max		6
	Flexible w/o lug conductor section		
	min	mm²	2.5
	max	mm²	16
	Flexible c/w lug conductor section		
	min	mm²	1
	max	mm²	10
	Flexible with insulated spade lug conductor section		
	min	mm²	1
	max	•	10
			IP20 when
Power terminal protec	tion according to IEC/EN 60529		properly wired
Mechanical features			, ,, , , , , , , , , ,
Operating position			
1 9 F - 2 ··· 2 ··	normal		Vertical plan
	allowable		±30°
	anomabio		Screw / DIN rail
Fixing			35mm
Weight		g	554
Conductor section		<u> </u>	
Conductor Section	AWG/kcmil conductor section		
	max		6
Operations	IIIdA		0
Mechanical life		cycles	20000000
Electrical life		cycles	1600000
Safety related data		Cycles	1000000
•	0d according to EN/ISO 13489-1		
renomiance level bit	-	ovoloo	1600000
	rated load	,	1600000
NA'	mechanical load	cycles	2000000
	ng to IEC/EN 609474-4-1		yes
EMC compatibility			yes
DC coil operating			<u>.</u> .
DC rated control voltage	ge	V	24
DC operating voltage			
	pick-up		
	min		70
	max	%Us	125
	drop-out		
	min	%Us	10
	max	%Us	40
Average coil consump	tion ≤20°C		
·	in-rush	W	5.4
	holding		5.4
Max cycles frequency			
Mechanical operation		cycles/h	3600
Operating times		2, 2.00,11	
Average time for Us co	ontrol		
	in AC		

in AC

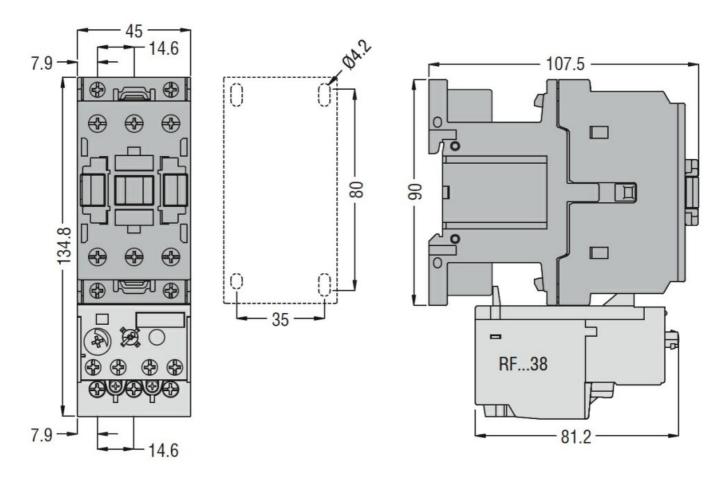
Closing NO



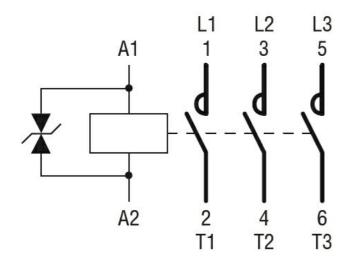
THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, DC COIL, 24VDC

			min	ms	8
			max	ms	24
		Opening NO	max	1115	24
		Opening NO			_
			min	ms	5
			max	ms	15
		Closing NC			
			min	ms	9
			max	ms	20
		Opening NC			
			min	ms	9
			max	ms	17
	in DC				
		Closing NO			
		5.55m.g	min	ms	54
			max	ms	66
		Opening NO	max	1113	00
		Opening NO	main	ma	1.4
			min	ms	14
			max	ms	17
UL technical data					
Full-load current (FLA)) tor three-phase A	C motor			
			at 480V	Α	27
			at 600V	Α	27
Yielded mechanical pe	erformance				
	for single-phase	AC motor			
	5 1		110/120V	HP	3
			230V	HP	7.5
	for three-phase	AC motor	2001	• • • • • • • • • • • • • • • • • • • •	7.0
	ioi tilico pilaso i	AO MOIO	200/208V	HP	10
			220/230V	HP	10
			460/480V	HP	20
			575/600V	HP	25
General USE					
	Contactor				
			AC current	Α	55
Short-circuit protection	n fuse, 600V				
	High fault				
	J		Short circuit current	kA	100
			Fuse rating	Α	100
			Fuse class		J
	Standard fault		1 400 01400		
	Standard radit		Short circuit current	kA	5
A mala i a materia de aditiona a			Fuse rating	Α	125
Ambient conditions					
Temperature					
	Operating temper	erature			
			min	°C	-50
			max	°C	70
	Storage tempera	iture			
	-		min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protection	on				
Pollution degree					3
Dimensions [mm (in)]					J
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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 60947-1

IEC/EN/BS 60947-4-1

UL 60947-1

UL 60947-4-1

Certificates

CCC



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, DC COIL, 24VDC

cULus			
EAC			

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching





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
	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



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			
TEC MAX can six to in Eco Eco Man Ent = Tomo Wan E police in conce	≤24V	Α	25
	48V	Α	22
	75V	A	20
	110V	A	15
	220V	A	3
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	220 V		<u> </u>
TEC max current le in DC3-DC3 with E/N 3 Toms with 5 poles in series	≤24V	Α	30
	48V	A	28
	75V	A	28
	110V	A	20
	220V		
IFC many automatile in DC2 DC5 with L/D < 45 may with 4 males in service	220 V	A	23
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	<0.417	۸	
	≤24V 48V	A	_
		A	_
	75V	A	_
	110V	A	_
Chart time allowable assurant for 40a (IEC/ENCO047.4)	220V	A	-
Short-time allowable current for 10s (IEC/EN60947-1)		Α	320
Protection fuse	. 0 (150)	^	00
	gG (IEC)	A	63
	aM (IEC)	<u>A</u>	32
Making capacity (RMS value)		Α	320
Breaking capacity at voltage	_	_	
	440V	A	256
	500V	A	240
	690V	Α	192
Resistance per pole (average value)		mΩ	2
Power dissipation per pole (average value)			
	Ith	W	6
	AC3	W	2
Tightening torque for terminals			
	min	Nm	2.5
	max	Nm	3
	min	Ibin	1.8
	max	Ibin	2.2
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	Ibin	0.8



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

		max	Ibin	0.74
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		max		6
	Flexible w/o lug conductor section		2	
		min	mm²	2.5
	<u> </u>	max	mm²	16
	Flexible c/w lug conductor section		2	4
		min	mm²	1
	Florible with insulated and delivered obtains a stirr	max	mm²	10
	Flexible with insulated spade lug conductor section		2	4
		min	mm²	1
		max	mm²	10
ower terminal prote	ction according to IEC/EN 60529			IP20 when
Mechanical features				properly wired
Operating position		normal		Vortical plan
		normal		Vertical plan ±30°
		allowable		Screw / DIN rail
ixing				35mm
Veight			α	560
Conductor section			g	300
Conductor Section	AWG/kcmil conductor section			
	AVVG/Remiii conductor section	may		6
Operations		max		U
Mechanical life			cycles	20000000
Electrical life			cycles	1600000
Safety related data			Cycles	1600000
•	10d according to EN/ISO 13489-1			
enormance level b	Tod according to ETV/ISO 13469-1	rated load	ovoloo	1600000
	maal	nanical load	cycles	2000000
Airror contata accord	ling to IEC/EN 609474-4-1	ianicai ioau	cycles	
	IIII to IEC/EN 609474-4-1			yes
MC compatibility				yes
OC roted control voltage			\/	40
OC rated control volta			V	48
OC operating voltage				
	pick-up		0/11-	70
		min	%Us	70
	deep out	max	%Us	125
	drop-out		0/11-	10
		min	%Us	10
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	mtion <20°C	max	%Us	40
verage coil consum	puon ≤20°C		147	F 4
		in-rush	W	5.4
		holding	W	5.4
Max cycles frequency				0000
Mechanical operation			cycles/h	3600
perating times				
verage time for Us				
	in AC			

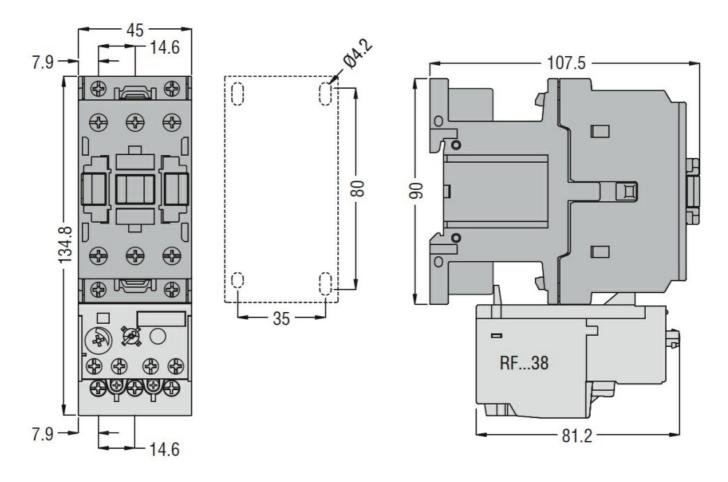
Closing NO



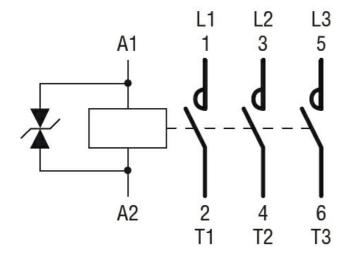
THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, DC COIL, 48VDC

			min	ms	8
			max	ms	24
		Opening NO	max		
		Oponing 110	min	ms	5
			max	ms	15
		Closing NC	max	1110	10
		Closing IVC	min	ms	9
			max	ms	20
		Opening NC	max	1110	20
		Opening 140	min	ms	9
			max	ms	17
	in DC		Παλ	1113	17
	III DC	Closing NO			
		Closing NO	min	mc	54
			max	ms ms	66
		Opening NO	IIIax	1115	00
		Opening NO	min	mo	14
				ms	
UL technical data			max	ms	17
Full-load current (FLA)	for three-phase AC n	notor			
i uii-ioau cuitetii (FLA)	noi un ce- pnase AC II	HOLUI	at 480V	Α	27
			at 600V	A	27
Violded mechanical re	fa		al 600 v	A	21
Yielded mechanical pe					
	for single-phase AC	motor	440/4001/	LID	0
			110/120V	HP	3
			230V	HP	7.5
	for three-phase AC	motor	000/0001/		4.0
			200/208V	HP	10
			220/230V	HP	10
			460/480V	HP	20
			575/600V	HP	25
General USE	•				
	Contactor			_	
<u> </u>			AC current	Α	55
Short-circuit protection					
	High fault		.		
			Short circuit current	kA	100
			Fuse rating	Α	100
			Fuse class		
	Standard fault		0 1		_
			Short circuit current	kA	5
			Fuse rating	Α	125
Ambient conditions					
Temperature					
	Operating temperate	ure			
			min	°C	-50
			max	°C	70
	Storage temperature	е			
			min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protection	on				
Pollution degree					3
Dimensions [mm (in)]					





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



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

cULus			
EAC			

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching





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
	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



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

	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.	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	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	A	240
	690V	Α	192
Resistance per pole (average value)		mΩ	2
Power dissipation per pole (average value)			
	Ith	W	6
	AC3	W	2
Tightening torque for terminals			
	min	Nm	2.5
	max	Nm	3
	min	Ibin	1.8
		Ibin	2.2
Tightoning torque for coil torminal	max	וווטו	۷.۷
Tightening torque for coil terminal			2.2
	min	Nm	0.8
	max	Nm	1
	min	lbin	0.8



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

		max	Ibin	0.74
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		max		6
	Flexible w/o lug conductor section			
		min	mm²	2.5
		max	mm²	16
	Flexible c/w lug conductor section			
		min	mm²	1
		max	mm²	10
	Flexible with insulated spade lug conductor section			
		min	mm²	1
		max	mm²	10
ower terminal protect	ction according to IEC/EN 60529			IP20 when
·				properly wired
Mechanical features				
perating position		-		
		normal		Vertical plan
		allowable		±30°
ixing				Screw / DIN rail 35mm
Veight			g	560
Conductor section			-	
	AWG/kcmil conductor section			
		max		6
Operations				
lechanical life			cycles	20000000
Electrical life			cycles	1600000
afety related data				
erformance level B1	I0d according to EN/ISO 13489-1			
	Ç	rated load	cycles	1600000
	med	hanical load	cycles	20000000
lirror contats accord	ing to IEC/EN 609474-4-1			yes
MC compatibility	3			yes
C coil operating				,
C rated control volta	age		V	60
C operating voltage			•	
- operating voltage	pick-up			
	Fig., db	min	%Us	70
		max	%Us	125
	drop-out	παλ	7003	0
	diop out	min	%Us	10
		max	%Us	40
verage coil consum	ntion <20°C	шах	/003	+∪
worage con consult	ραστι =20 O	in-rush	W	5.4
			W	
May avalog frequence		holding	VV	5.4
lax cycles frequency			ovala = /I.	2600
lechanical operation			cycles/h	3600
perating times	maral			
verage time for Us o				
	in AC			

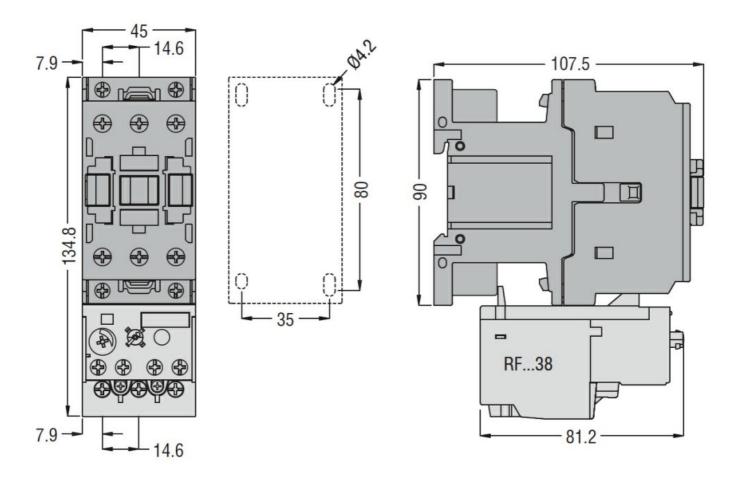
Closing NO



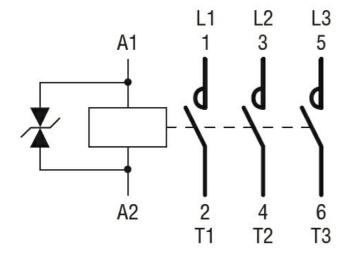
THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, DC COIL, 60VDC

			min	ms	8
			max	ms	24
		Opening NO	max	1115	24
		Opening NO			_
			min	ms	5
			max	ms	15
		Closing NC			
			min	ms	9
			max	ms	20
		Opening NC			
			min	ms	9
			max	ms	17
	in DC				
		Closing NO			
		5.55m.g	min	ms	54
			max	ms	66
		Opening NO	max	1113	00
		Opening NO	main	ma	1.4
			min	ms	14
			max	ms	17
UL technical data					
Full-load current (FLA)) tor three-phase A	C motor			
			at 480V	Α	27
			at 600V	Α	27
Yielded mechanical pe	erformance				
	for single-phase	AC motor			
	5 1		110/120V	HP	3
			230V	HP	7.5
	for three-phase	AC motor	2001	• • • • • • • • • • • • • • • • • • • •	7.0
	ioi tilico pilaso i	AO MOIO	200/208V	HP	10
			220/230V	HP	10
			460/480V	HP	20
			575/600V	HP	25
General USE					
	Contactor				
			AC current	Α	55
Short-circuit protection	n fuse, 600V				
	High fault				
	J		Short circuit current	kA	100
			Fuse rating	Α	100
			Fuse class		J
	Standard fault		1 400 01400		
	Standard radit		Short circuit current	kA	5
A mala i a materia de aditiona a			Fuse rating	Α	125
Ambient conditions					
Temperature					
	Operating temper	erature			
			min	°C	-50
			max	°C	70
	Storage tempera	iture			
	-		min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protection	on				
Pollution degree					3
Dimensions [mm (in)]					J
[(ווו) ווווון פווטופווטווום					





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



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

cULus			
FAC			

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching





Product designation			Power contactor
Product type designation Contact characteristics			BF32
		Nr.	3
Number of poles		V	690
Rated insulation voltage Ui IEC/EN		kV	6
Rated impulse withstand voltage Uimp		KV	0
Operational frequency			0.5
	min	Hz	25
IFC Conventional free oil the amend as weart like	max	Hz	400
IEC Conventional free air thermal current Ith		Α	56
Operational current le	A O A (440°O)	^	50
	AC-1 (≤40°C)	A	56
	AC-1 (≤55°C)	A	45
	AC-1 (≤70°C)	A	40
	AC-3 (≤440V ≤55°C)	Α	32
	AC-4 (400V)	A	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





THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, DC COIL, 110VDC

	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	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	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	A	240
	690V	Α	192
Resistance per pole (average value)		mΩ	2
Power dissipation per pole (average value)			
	Ith	W	6
	AC3	W	2
Tightening torque for terminals			
	min	Nm	2.5
	max	Nm	3
	min	Ibin	1.8
		Ibin	2.2
Tightoning torque for coil torminal	max	וווטו	۷.۷
Tightening torque for coil terminal			2.2
	min	Nm	0.8
	max	Nm	1
	min	lbin	0.8



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, DC COIL, 110VDC

Man and C. S.	du Karana da ara da D	max	Ibin	0.74
	simultaneously connectable		Nr.	2
Conductor section	AMC/Komil			
	AWG/Kcmil	mov		6
	Flexible w/o lug conductor section	max		0
	r lexible w/o lag corradetor section	min	mm²	2.5
		max	mm²	16
	Flexible c/w lug conductor section	-		
	J	min	mm²	1
		max	mm²	10
	Flexible with insulated spade lug c	onductor section		
		min	mm²	1
		max	mm²	10
Power terminal protec	ction according to IEC/EN 60529			IP20 when
Mechanical features	-			properly wired
Operating position				
Sperating position		normal		Vertical plan
		allowable		±30°
Tivina a		324010		Screw / DIN rai
Fixing				35mm
Veight			g	558
Conductor section				
	AWG/kcmil conductor section			
		max		6
Operations				0000000
Mechanical life			cycles	20000000
Electrical life Safety related data			cycles	1600000
•	0d according to EN/ISO 13489-1			
enormance level bi	od according to ETV/100 10409-1	rated load	cycles	1600000
		mechanical load	cycles	20000000
Mirror contats accordi	ing to IEC/EN 609474-4-1	mediamed lead	Cyclco	yes
EMC compatibility	g to 126,211 000 11 1 1 1			yes
OC coil operating				yee
OC rated control volta	ige		V	110
OC operating voltage				
	pick-up			
		min	%Us	70
		max	%Us	125
	drop-out			
		min	%Us	10
		max	%Us	40
Average coil consum	otion ≤20°C		147	5.4
		in-rush	W	5.4
May avalog fragueres		holding	W	5.4
Max cycles frequency			ovoloo/b	3600
Mechanical operation Operating times			cycles/h	3000
Average time for Us o	control			
werage unie ioi us o				
	in AC	2		

Closing NO

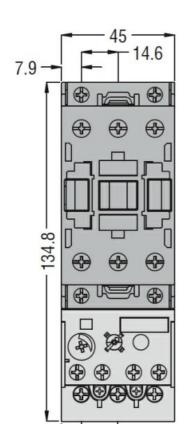
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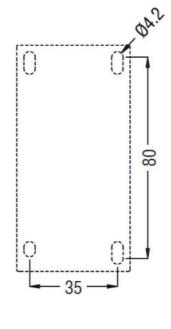


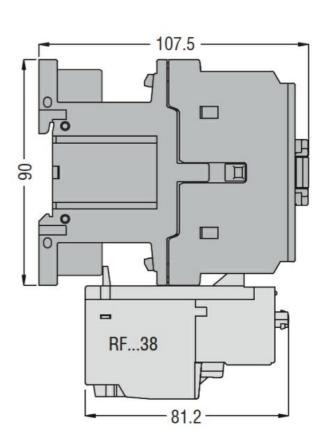
THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, DC COIL, 110VDC

			min	ms	8
			max	ms	24
		Opening NO	max		
		Oponing 110	min	ms	5
			max	ms	15
		Closing NC	max	1110	10
		Closing IVC	min	ms	9
			max	ms	20
		Opening NC	max	1110	20
		Opening 140	min	ms	9
			max	ms	17
	in DC		Παλ	1113	17
	III DC	Closing NO			
		Closing NO	min	mc	54
			max	ms ms	66
		Opening NO	IIIax	1115	00
		Opening NO	min	mo	14
				ms	
UL technical data			max	ms	17
Full-load current (FLA)	for three-phase AC n	notor			
i uii-ioau cuitetii (FLA)	noi un ce- pnase AC II	HOLUI	at 480V	Α	27
			at 600V	A	27
Violded mechanical re	fa		al 600 v	A	21
Yielded mechanical pe					
	for single-phase AC	motor	440/4001/	LID	0
			110/120V	HP	3
			230V	HP	7.5
	for three-phase AC	motor	000/0001/		4.0
			200/208V	HP	10
			220/230V	HP	10
			460/480V	HP	20
			575/600V	HP	25
General USE	•				
	Contactor			_	
<u> </u>			AC current	Α	55
Short-circuit protection					
	High fault		.		
			Short circuit current	kA	100
			Fuse rating	Α	100
			Fuse class		
	Standard fault		0 1		_
			Short circuit current	kA	5
			Fuse rating	Α	125
Ambient conditions					
Temperature					
	Operating temperate	ure			
			min	°C	-50
			max	°C	70
	Storage temperature	е			
			min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protection	on				
Pollution degree					3
Dimensions [mm (in)]					



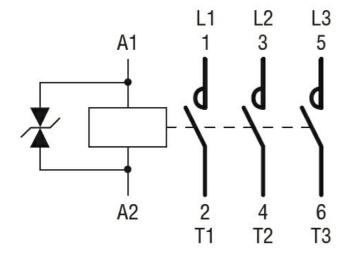






Wiring diagrams

7.9 -



14.6

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



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, DC COIL, 110VDC

cULus			
EAC			

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching





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



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, DC COIL, 125VDC

	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	A	_
	220V		_
IFO and a summer to be DOO DOO with 1/D < 45 and with 4 and a line and a	2201	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
150 DOS DOS 111 L/D + 45 111 0 1 1 1	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	A	
	75V		_
		A	_
	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			
3 - T 3 3	440V	Α	256
	500V	A	240
	690V		
	6907	Α	192
Resistance per pole (average value)		mΩ	2
Power dissipation per pole (average value)			
	Ith	W	6
	AC3	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	IIIAA	10111	4.4
riginening torque for contentinal		N I.a.	0.0
	min	Nm	0.8
	max	Nm	1
	min	Ibin	0.8



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, DC COIL, 125VDC

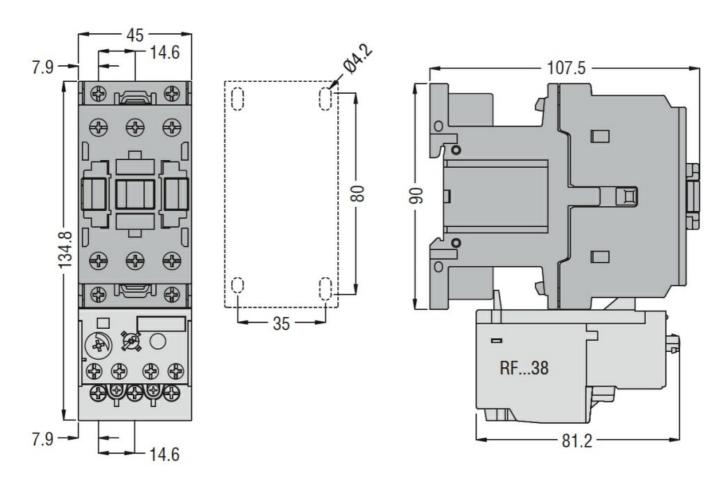
May number of wires	simultaneously connectable	max	Ibin Nr.	0.74
Max number of wires	simulaneously connectable		INI.	
Conductor Section	AWG/Kcmil			
	AWO/Koniii	max		6
	Flexible w/o lug conductor section	- III		
	oz.c .i./o .ug coaucio. cociici.	min	mm²	2.5
		max	mm²	16
	Flexible c/w lug conductor section			
	•	min	mm²	1
		max	mm²	10
	Flexible with insulated spade lug conductor section			
		min	mm²	1
		max	mm²	10
Power terminal prote	ection according to IEC/EN 60529			IP20 when
•				properly wired
Mechanical features				
Operating position				Vartical also
		normal		Vertical plan ±30°
		allowable		Screw / DIN rail
Fixing				35mm
			g	840
Conductor section			9	0.10
	AWG/kcmil conductor section			
	711 O/Normii Goriadoloi Godilori	max		6
Operations				
Mechanical life			cycles	20000000
Electrical life			cycles	1600000
Safety related data				
Performance level B	10d according to EN/ISO 13489-1			
		rated load	cycles	1600000
	me	chanical load	cycles	20000000
	ding to IEC/EN 609474-4-1			yes
EMC compatibility				yes
OC coil operating				
DC rated control volt	~		V	125
DC operating voltage				
	pick-up			
		min	%Us	70
	-	max	%Us	125
	drop-out		0/11	4.0
		min	%Us	10
Nuorona sell	ention <20°C	max	%Us	40
Average coil consum	ipuon ≥∠u*C	:	14/	E A
		in-rush	W	5.4
May cyclos froguese		holding	W	5.4
Max cycles frequenc Mechanical operatior			cycles/h	3600
	 		cycles/11	3000
Operating times Average time for Us	control			

Closing NO

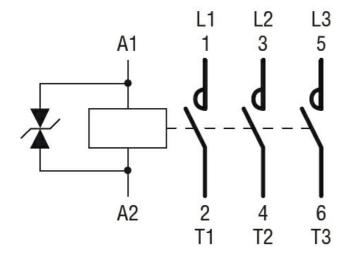


THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, DC COIL, 125VDC

			min	ms	8
			max	ms	24
	C	pening NO			
			min	ms	5
			max	ms	15
	C	Closing NC			
			min	ms	9
			max	ms	20
	C	pening NC			
			min	ms	9
			max	ms	17
	in DC				
	C	Closing NO			
			min	ms	54
			max	ms	66
	C	pening NO			
			min	ms	14
			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	erformance				
	for single-phase AC moto	or			
			110/120V	HP	3
			230V	HP	7.5
	for three-phase AC motor	ſ			
			200/208V	HP	10
			220/230V	HP	10
			460/480V	HP	20
			575/600V	HP	25
General USE					
	Contactor				
			AC current	Α	55
Short-circuit protection	fuse, 600V				
	High fault				
	-		Short circuit current	kA	100
			Fuse rating	Α	100
			Fuse class		J
	Standard fault				
			Short circuit current	kA	5
			Fuse rating	Α	125
Ambient conditions					
Temperature					
-	Operating temperature				
	. •		min	°C	-50
			max	°C	70
	Storage temperature				
	J		min	°C	-60
			max	°C	80
Max altitude					3000
Resistance & Protection	on				
Pollution degree					3
Dimensions [mm (in)]					



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



ENERGY AND AUTOMATION

BF3200D125

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, DC COIL, 125VDC

cULus			
FAC			

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching



ENERGY AND AUTOMATION

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, DC COIL, 220VDC



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



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, DC COIL, 220VDC

	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	A	_
	220V		_
IFO and a summer to its DOO DOC with 1/D < 45 and with 4 and a local in a suite	2201	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
150 DOS DOS 111 L/D + 45 111 0 1 1 1	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	A	
	75V		_
		A	_
	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			
3 - T 3 3	440V	Α	256
	500V	A	240
	690V		
	6907	Α	192
Resistance per pole (average value)		mΩ	2
Power dissipation per pole (average value)			
	Ith	W	6
	AC3	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	IIIAA	10111	4.4
riginening torque for contentinal		N I.a.	0.0
	min	Nm	0.8
	max	Nm	1
	min	Ibin	0.8



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, DC COIL, 220VDC

		max	Ibin	0.74
viax number of wires : Conductor section	simultaneously connectable		Nr.	2
Conductor section	AWG/Kcmil			
	AWG/Ramii	max		6
	Flexible w/o lug conductor section	IIIAX		0
	rickibic w/o lug corrudctor section	min	mm²	2.5
		max	mm²	16
	Flexible c/w lug conductor section			
		min	mm²	1
		max	mm²	10
	Flexible with insulated spade lug conductor section			
		min	mm²	1
		max	mm²	10
Power terminal protec	ction according to IEC/EN 60529			IP20 when
	Mon aboutaing to 120/214 00025			properly wired
Mechanical features				
Operating position		_		
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Veight			g	564
Conductor section				
	AWG/kcmil conductor section			
		max		6
Operations				
Mechanical life			cycles	2000000
Electrical life			cycles	1600000
Safety related data	0d according to 5N/IOO 40400 4			
Performance level B1	0d according to EN/ISO 13489-1			4000000
	m	rated load	cycles	1600000
Mirror contate accordi	ng to IEC/EN 609474-4-1	echanical load	cycles	20000000
EMC compatibility	ng to IEC/EN 009474-4-1			yes
DC coil operating				yes
DC rated control volta	ge .		V	220
DC operating voltage	90		•	220
operating ventage	pick-up			
	pion up	min	%Us	70
		max	%Us	125
	drop-out		-	
	·	min	%Us	10
		max	%Us	40
Average coil consump	otion ≤20°C			
·		in-rush	W	5.4
		holding	W	5.4
Max cycles frequency				
Mechanical operation			cycles/h	3600
Operating times				
Operating times Average time for Us o	ontrol			

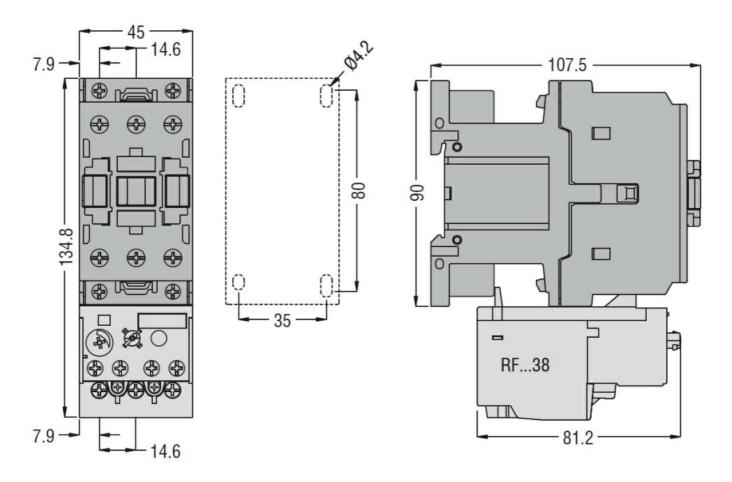
Closing NO



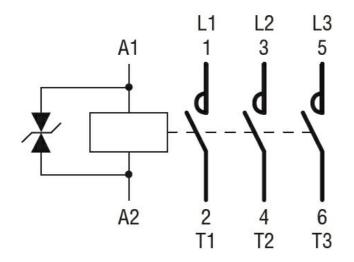
THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, DC COIL, 220VDC

			min	ms	8
			max	ms	24
	C	pening NO			
			min	ms	5
			max	ms	15
	C	Closing NC			
			min	ms	9
			max	ms	20
	C	pening NC			
			min	ms	9
			max	ms	17
	in DC				
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			max	ms	17
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Full-load current (FLA)	for three-phase AC motor				
			at 480V	Α	27
			at 600V	Α	27
Yielded mechanical pe	erformance				
	for single-phase AC moto	or			
			110/120V	HP	3
			230V	HP	7.5
	for three-phase AC motor	ſ			
			200/208V	HP	10
			220/230V	HP	10
			460/480V	HP	20
			575/600V	HP	25
General USE					
	Contactor				
			AC current	Α	55
Short-circuit protection	fuse, 600V				
	High fault				
	-		Short circuit current	kA	100
			Fuse rating	Α	100
			Fuse class		J
	Standard fault				
			Short circuit current	kA	5
			Fuse rating	Α	125
Ambient conditions					
Temperature					
-	Operating temperature				
	. •		min	°C	-50
			max	°C	70
	Storage temperature				
	J		min	°C	-60
			max	°C	80
Max altitude					3000
Resistance & Protection	on				
Pollution degree					3
Dimensions [mm (in)]					





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



ENERGY AND AUTOMATION

BF3200D220

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 32A, DC COIL, 220VDC

cULus			
EAC			

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching