

**BF9400A57560** THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 94A, AC COIL 60HZ, 575VAC



Product designation Product type designation			Power contactor BF94
Contact characteristics			DI 34
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		А	115
Operational current le			
	AC-1 (≤40°C)	А	115
	AC-1 (≤55°C)	А	95
	AC-1 (≤70°C)	А	80
	AC-3 (≤440V ≤55°C)	А	95
	AC-4 (400V)	A	45
Rated operational power AC-3 (T≤55°C)			
	230V	kW	30
	400V	kW	55
	415V	kW	55
	440V	kW	55
	500V	kW	55
	690V	kW	55
	1000V	kW	37
Rated operational current AC-3 (T≤55°C)	600) (		<b>.</b>
	230V	A	94
	400V	A	94
	415V	A	94
	440V	A	94
	500V	A	78
	690V	A	57
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series	1000V	A	28
The content is in DCT with $L/R \le 1$ ms with 1 poles in series	~241/	٨	77
	≤24V	A	77
	48V 75V	A	66 66
	75V 110V	A	
	220V	A A	8
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	220 V	A	_
$1 \ge 0$ max current le in DCT with $L/R \ge 10$ is with 2 poles in series	≤24V	А	110
	≤24∨ 48V	A	110
	48V 75V	A	110
	110V	A	90
	220V	A	9
	2201	Λ	5

## IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series



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	≤24V	А	110	
	48V	А	110	
	75V	А	110	
	110V	А	93	
	220V	А	95	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series				
	≤24V	А	115	
	48V	A	115	
	75V	A	115	
	110V	A	110	
	220V	A	115	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series				
	≤24V	А	45	
	48V	A	33	
	75V	A	33	
	110V	A	3	
	220V	A	_	
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 2 poles in series	220 V	Π.		
TEC max current le in DC3-DC3 with E/K 3 15ms with 2 poles in series	≤24V	А	65	
	≤24V 48V	A	65 55	
	48V 75V			
	110V	A	55 43	
	220V	A	43 5	
IFC may summant to in DC2 DC5 with L/D < 15 may with 2 males in series	2200	A	5	
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 3 poles in series	-041/	۸	00	
	≤24V	A	86	
	48V	A	75	
	75V	A	75	
	110V	A	64	
	220V	A	64	
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 4 poles in series	-0.0.4			
	≤24V	A	96	
	48V	A	95	
	75V	A	95	
	110V	A	80	
	220V	<u>A</u>	80	
Short-time allowable current for 10s (IEC/EN60947-1)		А	640	
Protection fuse				
	gG (IEC)	A	125	
	aM (IEC)	A	100	
Making capacity (RMS value)		А	950	
Breaking capacity at voltage				
	440V	А	640	
	500V	А	625	
	690V	А	456	
Resistance per pole (average value)		mΩ	0.6	
Power dissipation per pole (average value)				
	lth	W	7.9	
	AC-3	W	5.4	
Tightening torque for terminals				
	min	Nm	4	
	max	Nm	5	
	min	Ibin	3	
	max	Ibin	3.7	



THRE

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575VAC

min max	Nm	0.8
		0.0
	Nm	1
min	Ibin	0.59
max	lbin	0.74
		2
min	mm²	1.5
max	mm²	35
		IP20
normal		Vertical plan
allowable		±30°
		Screw / DIN rail
		35mm
	g	1
		15000000
	cycles	1100000
		YES
		yes
	V	575
max	%Us	≤70 Us min
	0/11-	00.11
		80 Us min
max	%US	110 Us max
	0/11-	
max	%US	≤70 Us min
min	%  le	80
		110
max	/005	110
min	%Us	20
		55
max	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
in-rush	VA	210
		15
nording		5
	vv	Ŭ.
	cycles/h	3600
	5,000/11	
	normal allowable	max mm² mormal allowable g cycles cycles cycles v v v v max %Us max %Us max %Us max %Us max %Us win %Us %Us

in AC

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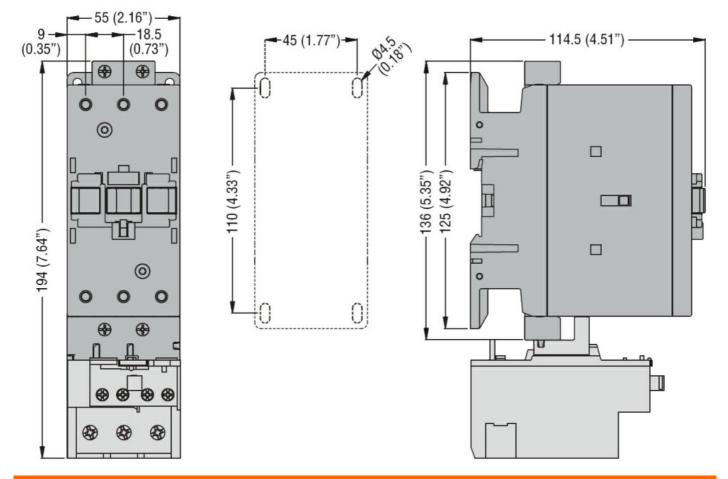
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		Closing NO			
		e.coge	min	ms	12
			max	ms	28
		Opening NO	max	mo	20
		opening No	min	ms	8
			max	ms	22
	in DC		IIIdx	1113	
	III DC	Closing NO			
			min	ms	40
			max	ms	85
		Opening NO	max	1113	00
		Opening NO	min	me	20
				ms	
LIL technical data			max	ms	55
UL technical data	(1 A) for three phase	AC motor			
Full-load current (F	LA) for three-phase		-1 1001/	۸	77
			at 480V	A	77
			at 600V	Α	77
Yielded mechanica	•				
	for three-phase	e AC motor			~ <b>-</b>
			200/208V	HP	25
			220/230V	HP	30
			460/480V	HP	60
			575/600V	HP	75
General USE					
	Contactor				
			AC current	Α	115
Short-circuit protec	tion fuse, 600V				
	High fault				
			Short circuit current	kA	100
			Fuse rating	А	200
			Fuse class		J
	Standard fault				
			Short circuit current	kA	10
			Fuse rating	А	200
			Fuse class		RK5
Ambient conditions	;				
Temperature					
	Operating tem	perature			
			min	°C	-50
			max	°Č	70
	Storage tempe	rature			-
			min	°C	-60
			max	°Č	80
Max altitude			max	 m	3000
Dimensions					
Bincholono					

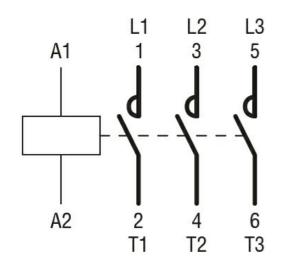
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## Wiring diagrams



## 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



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	cULus	
	EAC	
ETIM classification		
		-

ETIM 8.0

EC000066 -Power contactor, AC switching