



Deschart de sieur stiens			Device contractor
Product designation			Power contactor
Product type designation Contact characteristics			BF94
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
		ĸv	0
Operational frequency	min		25
	min	Hz Hz	25 400
IEC Conventional free air thermal current Ith	max	A	115
		A	115
Operational current le	$A = 1 (< 10^{\circ} = 1)$	٨	11E
	AC-1 (≤40°C)	A	115
	AC-1 (≤55°C)	A	95
	AC-1 (≤70°C)	A	80
	AC-3 (≤440V ≤55°C)	A	95
	AC-4 (400V)	A	45
Rated operational power AC-3 (T≤55°C)	000)/	1.147	0.0
	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)			
	230V	A	94
	400V	A	94
	415V	A	94
	440V	А	94
	500V	А	78
	690V	А	57
	1000V	A	28
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
	≤24V	А	77
	48V	А	66
	75V	А	66
	110V	А	8
	220V	Α	_
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	≤24V	А	110
	48V	А	110
	75V	А	110
	110V	А	90
	220V	А	9

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



	≤24V	А	110	
	48V	A	110	
	75V	A	110	
	110V	A	93	
	220V	A	95 95	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	220 V	~	90	
TEC max current le in DCT with E/K = This with 4 poles in series	<2414	٨	115	
	≤24V	A	115	
	48V	A	115	
	75V	A	115	
	110V	A	110	
	220V	A	115	
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 1 poles in series				
	≤24V	А	45	
	48V	A	33	
	75V	A	33	
	110V	А	3	
	220V	Α	_	
IEC max current le in DC3-DC5 with L/R \leq 15ms with 2 poles in series				
	≤24V	А	65	
	48V	А	55	
	75V	А	55	
	110V	А	43	
	220V	А	5	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series				
	≤24V	А	86	
	48V	A	75	
	75V	A	75	
	110V	A	64	
	220V	A	64	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	220 V	~	04	
The max current le in DC3-DC5 with $L/R \le 15$ ms with 4 poles in series	<2417	٨	06	
	≤24V	A	96 05	
	48V	A	95 05	
	75V	A	95	
	110V	A	80	
	220V	A	80	
Short-time allowable current for 10s (IEC/EN60947-1)		А	640	
Protection fuse				
	gG (IEC)	А	125	
	aM (IEC)	А	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	A0 0	V V	0.7	
	min	Nm	4	
		Nm		
	max		5	
	min	lbin Ibin	3	
	max	lbin	3.7	



Tightening torque for coil	terminal				
			min	Nm	0.8
			max	Nm	1
			min	Ibin	0.59
			max	Ibin	0.74
Max number of wires sim	ultaneously connectab	le		Nr.	2
Conductor section					
F	Flexible w/o lug conduc	ctor section			
			min	mm²	1.5
			max	mm²	35
Power terminal protection	n according to IEC/EN	60529			IP20
Mechanical features					
Operating position					
			normal		Vertical plan
			allowable		±30°
					Screw / DIN rail
Fixing					35mm
Weight				g	1
Operations				J J	
Mechanical life				cycles	15000000
Electrical life				cycles	1100000
Safety related data				0)0100	1100000
Mirror contats according	to IEC/EN 609474-4-1				YES
EMC compatibility					yes
AC coil operating					yes
Rated AC voltage at 60H	7			V	120
	2			v	120
AC operating voltage					
C	of 60Hz coil powered a				
		pick-up		0/11-	00
			min	%Us	80
			max	%Us	110
		drop-out		0/11	
			min	%Us	20
			max	%Us	55
AC average coil consump					
C	of 60Hz coil powered a	t 60Hz			
			in-rush	VA	210
			holding	VA	15
Dissipation at holding ≤20	0°C 50Hz			W	5
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us cont	rol				
ir	n AC				
		Closing NO			
		2	min	ms	12
			max	ms	28
		Opening NO		-	
		1	min	ms	8
			max	ms	22
	n DC		max		
11		Closing NO			
				me	40
			min	ms	40
			max	ms	85

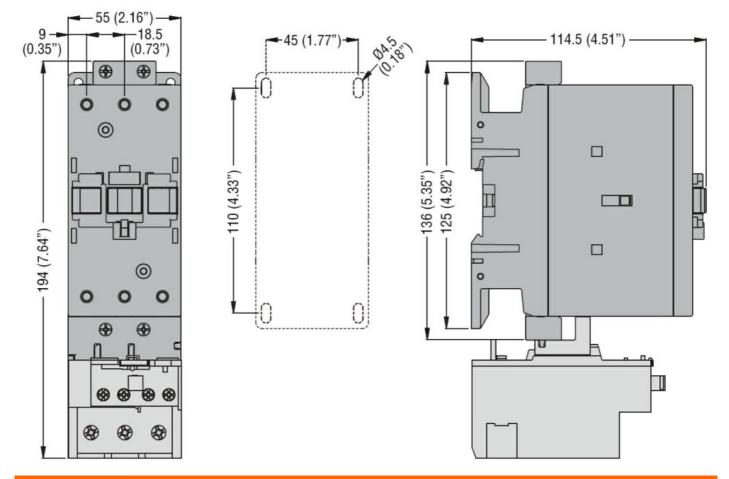


Opening NO			
	min	ms	20
	max	ms	55
UL technical data			
Full-load current (FLA) for three-phase AC motor			
	at 480V	А	77
	at 600V	А	77
Yielded mechanical performance			
for three-phase AC motor			
	200/208V	HP	25
	220/230V	HP	30
	460/480V	HP	60
	575/600V	HP	75
General USE			
Contactor			
	AC current	А	115
Short-circuit protection 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 temperature			
	min	°C	-50
	max	°C	70
Storage temperature			
	min	°C	-60
	max	°C	80
Max altitude		m	3000
Dimensions			

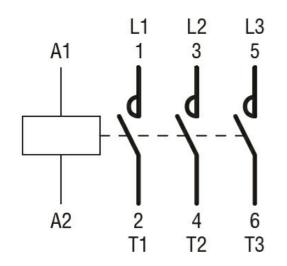
BF9400A12060



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 94A, AC COIL 60HZ, 120VAC



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



cULus EAC ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching