

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 140A, AC COIL 50/60HZ,



Product designation Power contactor Product type designation BF95

min max AC-1 (≤40°C) AC-1 (≤55°C)	Nr. V kV Hz Hz A	4 1000 8 25 400 140
min max AC-1 (≤40°C) AC-1 (≤55°C)	V kV Hz Hz A	1000 8 25 400
min max AC-1 (≤40°C) AC-1 (≤55°C)	kV Hz Hz A	25 400
min max AC-1 (≤40°C) AC-1 (≤55°C)	Hz Hz A	25 400
max AC-1 (≤40°C) AC-1 (≤55°C)	Hz A	400
max AC-1 (≤40°C) AC-1 (≤55°C)	Hz A	400
AC-1 (≤40°C) AC-1 (≤55°C)	Α	
AC-1 (≤55°C)		140
AC-1 (≤55°C)	Α	
AC-1 (≤55°C)	Α	
		140
A C 4 (270°C)	Α	115
AC-1 (≤70°C)	Α	100
≨440V ≤55°C)	Α	95
AC-4 (400V)	Α	45
230V	Α	95
400V	Α	95
415V	Α	95
440V	Α	95
500V	A	95
690V	A	93
1000V	Α	33
-0.07		4.40
≤24V	A	140
48V	A	140
75V	A	100
		10
220 V	А	_
<241/	۸	1.10
		140 140
		140
75 V		110
110\/		12
110V 220V		12
110V 220V		140
220V	Α	140
220V ≤24V	A A	170
220V ≤24V 48V	Α	
220V ≤24V 48V 75V	A A	155
220V ≤24V 48V 75V 110V	A A A	155 120
220V ≤24V 48V 75V	A A	155
220V ≤24V 48V 75V 110V	A A A	155 120
	220V	220V A ≤24V A 48V A 75V A 110V A 220V A ≤24V A



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	75V	Α	155
	110V	Α	140
	220V	Α	140
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	≤24V	Α	140
	48V	Α	44
	75V	Α	36
	110V	Α	6
	220V	Α	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	≤24V	Α	140
	48V	Α	63
	75V	A	60
	110V	A	55
150	220V	Α	7
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	.0.43.4	_	
	≤24V	A	140
	48V	A	115
	75V	Α	90
	110V	A	85
150	220V	Α	76
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	10 A) /		4.40
	≤24V	A	140
	48V	A	110
	75V	Α	110
	110V	A	105
Chart time allowable assumed for 40s (IEO/ENICO047.4)	220V	A	95
Short-time allowable current for 10s (IEC/EN60947-1)		Α	760
Protection fuse	~C (IFC)	۸	100
	gG (IEC)	A	160
Making conscity (PMS value)	aM (IEC)	A A	100 1200
Making capacity (RMS value)		A	1200
Breaking capacity at voltage	440\/	۸	1100
	440V	A	1100
	500V	A	775
Decistores per pela (average value)	690V	A	745 0.45
Resistance per pole (average value)		mΩ	0.45
Power dissipation per pole (average value)	Ith	۱۸/	0.0
	Ith AC-3	W	8.8
Tightening torque for terminals	AU-3	W	4.1
rightening torque for terminals	min	Nim	6
	min	Nm	6
	max	Nm Ibin	7
	min	lbin Ibin	4.4 5.2
Tightening torque for coil terminal	max	ווטוו	J.Z
rightening torque for contentinal	min	Nm	0.8
	min	Nm	
	max min	Ibin	1 0.59
Conductor section	max	Ibin	0.74
AWG/Kcmil			
AVVO/NCIIII	may		2/0
	max		<i>21</i> 0



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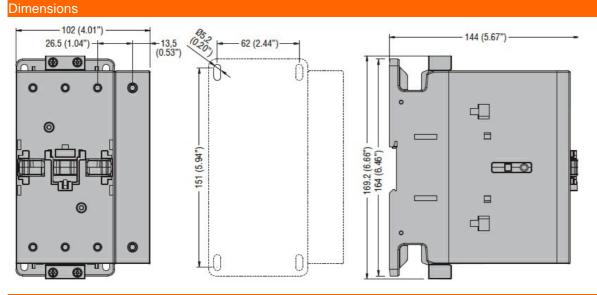
	Flexible w/o lug conductor section			
	-	min	mm²	1.5
		max	mm²	70
	Flexible c/w lug conductor section			
		min	mm²	1.5
		max	mm²	70
Power terminal protect	tion according to IEC/EN 60529			IP20 front
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail
Fixing				35mm
Weight			g	2420
Conductor section				
	AWG/kcmil conductor section			
		max		2/0
Auxiliary contact chara	cteristics			
Thermal current Ith			Α	140
Operations				
Mechanical life			cycles	15000000
Electrical life			cycles	1400000
AC coil operating			, , , , ,	
Rated AC voltage at 50	0/60Hz		V	48
AC operating voltage			<u> </u>	
to operating vertage	of 50/60Hz coil powered at 50Hz			
	pick-up			
	ριοκ αρ	min	%Us	80
		max	%Us	110
	drop-out	IIIdx	7003	110
	Grop out	min	%Us	20
		max	%Us	55
	of 50/60Hz coil powered at 60Hz	max	7003	
	pick-up			
	ρισκ-αρ	min	%Us	85
		max	%Us	110
	drop-out	IIIdx	7003	110
	drop-out	min	%Us	40
		max	%Us	55
AC average coil consu	motion at 20°C	IIIdx	/003	33
no average con consu	·			
	of 50/60Hz coil powered at 50Hz	in ruch	\/^	300
		in-rush	VA VA	
	of EO/GOHz goil noward at COLL	holding	VA	20
	of 50/60Hz coil powered at 60Hz	ام. سیدا	١/٨	275
		in-rush	VA VA	275
	of COLLE acil powered at COLLE	holding	VA	17
	of 60Hz coil powered at 60Hz		1/4	200
		in-rush	VA	300
5	2000 5011	holding	VA	20
Dissipation at holding :	\$20°C 50Hz		W	6.5
Max cycles frequency				1500
Mechanical operation			cycles/h	1500
Operating times				
Average time for Us co	ontrol			

3000

m

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	in AC	Objective NIO				
		Closing NO			40	
			min	ms	16	
			max	ms	32	
		Opening NO				
			min	ms	9	
			max	ms	24	
UL technical data						
General USE						
	Contactor					
-			AC current	Α	150	
Short-circuit protection fuse, 600V						
	High fault					
			Short circuit current	kA	100	
			Fuse rating	Α	200	
			Fuse class		J	
	Standard fault					
			Short circuit current	kA	10	
			Fuse rating	Α	250	
			Fuse class		RK5	
Ambient conditions						
Temperature						
	Operating temperature					
			min	°C	-50	
			max	°C	70	
	Storage temperature					
			min	°C	-60	
			max	°C	+80	



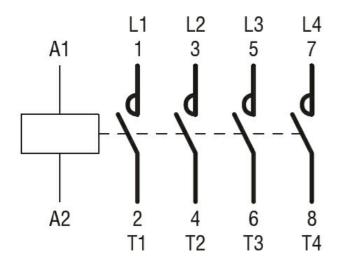
Wiring diagrams

BF95T4A048

Max altitude

ENERGY AND AUTOMATION

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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