



Product designation			Power contactor
Product type designation			BF80
Contact characteristics			
Number of poles		Nr.	4
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	80
	AC-4 (400V)	А	38
Rated operational current AC-3 (T≤55°C)	· · · · ·		
	230V	А	80
	400V	А	80
	415V	А	80
	440V	А	80
	500V	А	78
	690V	А	57
	1000V	А	28
Rated operational power AC-1 (T≤40°C)			
	230V	kW	43
	400V	kW	76
	500V	kW	95
	690V	kW	120
Short-time allowable current for 10s (IEC/EN60947-1)		А	640
Protection fuse			
	gG (IEC)	А	125
	aM (IEC)	А	80
Making capacity (RMS value)	, , , , , , , , , , , , , , , , ,	А	800
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	Ŵ	3.8
Tightening torque for terminals			
	min	Nm	4
	max	Nm	5
	IIIdA		0



FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 115A, AC COIL 60HZ, 48VAC

BF80T2A04860

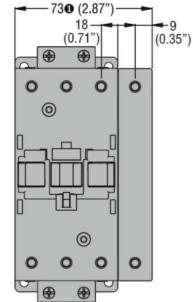
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Dissipation at holding ≤20°C 50Hz W 5		-	in-rush	VA	210
			holding	VA	15
	Dissipation at holding	≤20°C 50Hz		W	5
	Max cycles frequency				

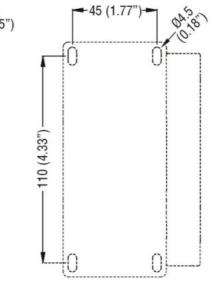


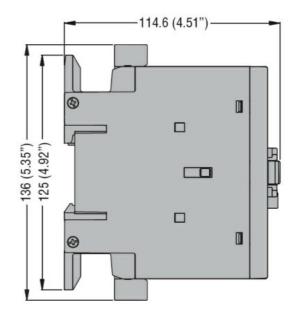
Mechanical operation				cycles/h	3600
Operating times				,	
Average time for Us c	ontrol				
-	in AC				
		Closing NO			
			min	ms	12
			max	ms	28
		Opening NO			
			min	ms	8
			max	ms	22
		Closing NC			
		-	min	ms	11
			max	ms	29
		Opening NC			
			min	ms	6
			max	ms	14
	in DC				
		Closing NO			
		U U	min	ms	40
			max	ms	85
		Opening NO			
		515 5	min	ms	20
			max	ms	55
UL technical data					
Full-load current (FLA) for three-phase AC mo	tor			
			at 480V	А	77
			at 600V	А	77
Yielded mechanical p	erformance				
	for three-phase AC m	otor			
			200/208V	HP	25
			220/230V	HP	30
			460/480V	HP	60
			575/600V	HP	75
General USE					
	Contactor				
			AC current	А	115
Ambient conditions					
Temperature					
	Operating temperature	,			
	epotening tomporation	-	min	°C	-50
			max	°C	70
	Storage temperature		тах	0	
	Storage tomporature		min	°C	-60
			max	°C	80
Max altitude			Παλ	 	3000
Resistance & Protecti	on				
Pollution degree					3
Dimensions					
E-mensions					



BF80T2A04860 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 115A, AC COIL 60HZ, 48VAC

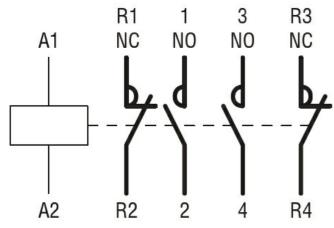






• BF80T2 82mm/3.23"

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		
	000	
	cULus	
ETIM classification		
ETIM 8.0		EC000066 - Power contactor, AC switching

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BF80T2A04860