



Product designation			Power contacto
Product type designation			BF38
Contact characteristics			
Number of poles		Nr.	4
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)	А	56
	AC-1 (≤40°C) with 16mm² wire and fork end	lugA	60
	AC-1 (≤55°C)	A	45
	AC-1 (≤55°C) with 16mm² wire and fork end	lugA	48
	AC-1 (≤70°C)	Ă	40
	AC-1 (≤70°C) with 16mm² wire and fork end	lugA	42
	, AC-3 (≤440V ≤55°C)	Ă	38
	AC-4 (400V)	А	15.5
Rated operational power AC-1 (T≤40°C)			
	230V	kW	21
	400V	kW	36
	500V	kW	45
	690V	kW	62
Short-time allowable current for 10s (IEC/EN6		А	320
Protection fuse			
	gG (IEC)	А	63
	aM (IEC)	A	40
Making capacity (RMS value)		A	380
Breaking capacity at voltage			
Produing oupdoily at rollago	440V	А	304
	500V	A	240
	690V	A	192
Resistance per pole (average value)		mΩ	2
Power dissipation per pole (average value)			
	Ith	W	6
	AC-3	Ŵ	2.9
Tightening torque for terminals	NO 3	* *	2.0
	min	Nm	2.5
	max	Nm	3
	min	Ibin	3 1.8
		Ibin	2.2
Tightening torque for coil terminal	max		2.2
	min	Nm	0.9
	min	Nm	0.8
	max	Nm	1



BF38T2A23060 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 56A, AC COIL 60HZ, 230VAC, 2NO AND 2NC

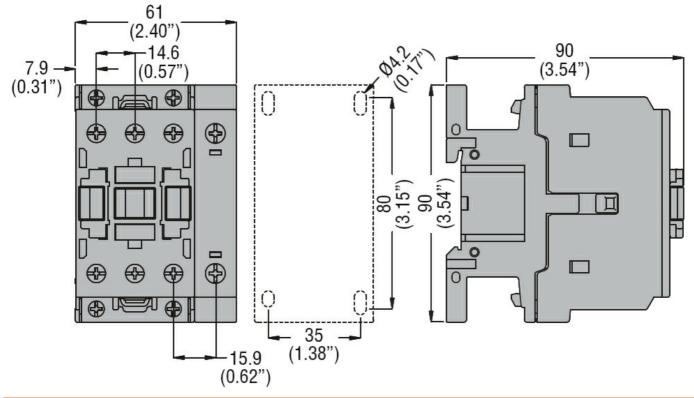
		min	lbin Ibin	0.8
Max number of wirco	simultaneously connectable	max	lbin Nr.	0.74
Conductor section			INI.	2
	AWG/Kcmil			
		max		6
	Flexible w/o lug conductor section			
	-	min	mm²	2.5
		max	mm²	16
	Flexible c/w lug conductor section			
		min	mm²	1
		max	mm²	10
	Flexible with insulated spade lug conductor		2	
		min	mm²	1
		max	mm²	10
•	ction according to IEC/EN 60529			IP20 when properly wired
Mechanical features				
Operating position				\/entirel
		normal allowable		Vertical plan ±30°
Fixing				Screw / DIN rai 35mm
Weight			g	504
Conductor section			3	
	AWG/kcmil conductor section			
		max		6
Operations				
Mechanical life			cycles	2000000
Electrical life			cycles	1400000
Safety related data				
Performance level B1	0d according to EN/ISO 13489-1		_	
		rated load	cycles	1400000
		mechanical load	cycles	2000000
	ing to IEC/EN 609474-4-1			YES
EMC compatibility				yes
AC coil operating Rated AC voltage at 6	SOHz		V	230
AC operating voltage			v	200
. Coporating voltage	of 60Hz coil powered at 60Hz			
	pick-up			
	L.a.r. all	min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	55
AC average coil cons	•			
	of 60Hz coil powered at 60Hz	_	•	
		in-rush	VA	75
				•
		holding	VA	9
Dissipation at holding			VA W	9 2.5
Dissipation at holding Max cycles frequency Mechanical operation				2.5



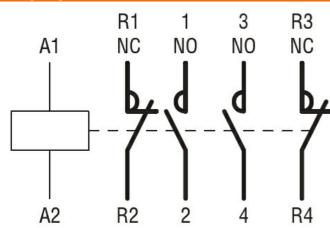
Closing NO min ms 8 Opening NO min ms 24 Opening NO min ms 5 max ms 15 Closing NC min ms 11 max ms 29 11 Opening NC min ms 29 min ms 6 110 Opening NC max ms 29 Opening NC min ms 6 max ms 14 10 UL technical data max ms 14 Full-load current (FLA) for three-phase AC motor at 800V A 40 at 600V A 32 110/120V HP 3 Yielded mechanical performance for single-phase AC motor 200/208V HP 10 220/230V HP 10 220/230V HP 10 220/230V HP 10 220/230V HP 10	Average time for Us co				
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Opening NO min ms 5 max ms 15 Closing NC min ms 11 max ms 29 Opening NC min ms 6 max ms 14 UL technical data max ms 14 Full-load current (FLA) for three-phase AC motor at 480V A 40 at 600V A 32 32 Yielded mechanical performance for single-phase AC motor 110/120V HP 3 230V HP 7.5 for three-phase AC motor 200/208V HP 10 220/230V HP 15 460/480V HP 30 General USE Contactor AC current A 55 Ambient conditions max *C -50 Temperature min *C -50 Max attitude max *C 60 Max attitude max *C 60 <td></td> <td></td> <td></td> <td></td> <td></td>					
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General USE Contactor AC current A 55 Ambient conditions Temperature min °C -50 Temperature min °C 70 Storage temperature min °C -60 Max altitude m 3000 Resistance & Protection Water and the store of					
Contactor AC current A 55 Ambient conditions			575/600V	HP	30
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Ambient conditions Temperature Operating temperature min °C -50 max °C 70 Storage temperature min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection Feasible Feasible		Contactor		۸	E E
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min °C -50 max °C 70 Storage temperature min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection with the second s	remperature	Operating temperature			
max°C70Storage temperaturemin°C-60max°C80Max altitudem3000Resistance & ProtectionVV		Operating temperature	min	°C	-50
Storage temperature min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection V V					
min°C-60max°C80Max altitudem3000Resistance & Protection		Storage temperature	max	0	
max°C80Max altitudem3000Resistance & Protection			min	°C	-60
Max altitude m 3000 Resistance & Protection					
Resistance & Protection	Max altitude		max		
		on			
	Pollution degree				3

Dimensions





Wiring diagrams



Certifications and compliance

e en integration e ana een		
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

BF38T2A23060