



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 Ump		kV	6
· · · ·		κv	0
Operational frequency			05
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		А	56
Operational current le			
	AC-1 (≤40°C)	A	56
	AC-1 (≤40°C) with 16mm² wire and fork end	lugA	60
	AC-1 (≤55°C)	А	45
	AC-1 (≤55°C) with 16mm² wire and fork end	lugA	48
	AC-1 (≤70°C)	А	40
	AC-1 (≤70°C) with 16mm² wire and fork end	lugA	42
	AC-3 (≤440V ≤55°C)	А	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/EN		A	320
Protection fuse			
	gG (IEC)	А	63
	aM (IEC)	A	40
Making apposity (PMS yoluo)		A	380
Making capacity (RMS value)		A	360
Breaking capacity at voltage	440)/		004
	440V	A	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	W	2.9
Tightening torque for terminals			
	min	Nm	2.5
	max	Nm	3
	min	Ibin	1.8
	max	Ibin	2.2
Tightening torque for coil terminal	-		
5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	min	Nm	0.8
	max	Nm	1
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BF38T2A46060 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 56A, AC COIL 60HZ, 460VAC, 2NO AND 2NC

		min	Ibin	0.8
		max	lbin	0.74
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			0
	Flovible w/o lug conductor costion	max		6
	Flexible w/o lug conductor section	min	mm²	2.5
		max	mm²	16
	Flexible c/w lug conductor section	тах		10
		min	mm²	1
		max	mm²	10
	Flexible with insulated spade lug conductor	or section		
		min	mm²	1
		max	mm²	10
Power terminal protect	ction according to IEC/EN 60529			IP20 when properly wired
Mechanical features				
Operating position				
		normal allowable		Vertical plan ±30°
Fixing		allowable		Screw / DIN rai
				35mm
Weight			g	522
Conductor section				
	AWG/kcmil conductor section			
		max		6
Operations				0000000
Mechanical life Electrical life			cycles	20000000 1400000
Safety related data			cycles	1400000
	0d according to EN/ISO 13489-1			
		rated load	cycles	1400000
		mechanical load	cycles	20000000
Mirror contats accord	ing to IEC/EN 609474-4-1		-,	YES
EMC compatibility	5			yes
AC coil operating				,
Rated AC voltage at 6	60Hz		V	460
AC operating voltage				
	of 60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out		0/11	
		min	%Us	20
	umption at 20°C	max	%Us	55
AC average coil cons				
	of 60Hz coil powered at 60Hz	in-rush	VA	75
		holding	VA VA	9
Dissipation at holding	<20°C 50Hz	noiding	W	2.5
- Jose and a choicing			vv	2.0
Max cycles frequency Mechanical operation			cycles/h	3600

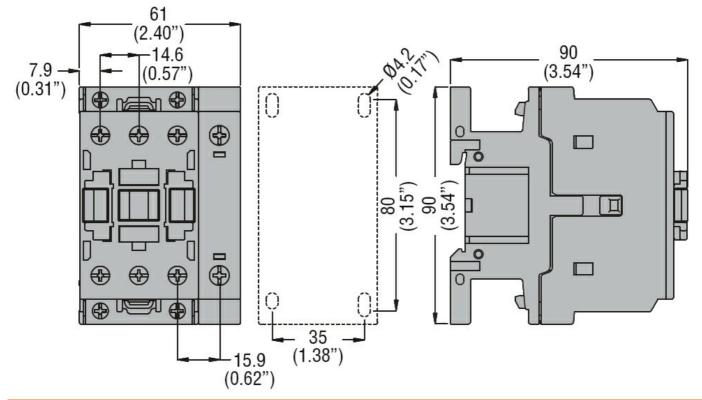
BF38T2A46060 The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



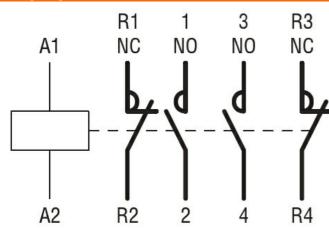
Average time for Us co				
	in AC			
	Closing NO			0
		min	ms	8 24
	Opening NO	max	ms	24
	Opening NO	min	ms	5
		max	ms	15
	Closing NC	тах	mo	10
		min	ms	11
		max	ms	29
	Opening NC			
		min	ms	6
		max	ms	14
UL technical data				
	for three-phase AC motor			
		at 480V	А	40
		at 600V	А	32
Yielded mechanical pe	erformance			
	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
		575/600V	HP	30
General USE				
	Contactor			
		AC current	А	55
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature	<u>.</u>	0.0	
		min	°C	-60
NA ICC -		max	°C	80
Max altitude			m	3000
Resistance & Protection	on <u> </u>			
Pollution degree				3
Dimensions				



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Wiring diagrams



Certifications and compliance

Continuation of and co		
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