



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		Α	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
	Παλ	1 1111	•



BF38T2A57560 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 56A, AC COIL 60HZ, 575VAC, 2NO AND 2NC

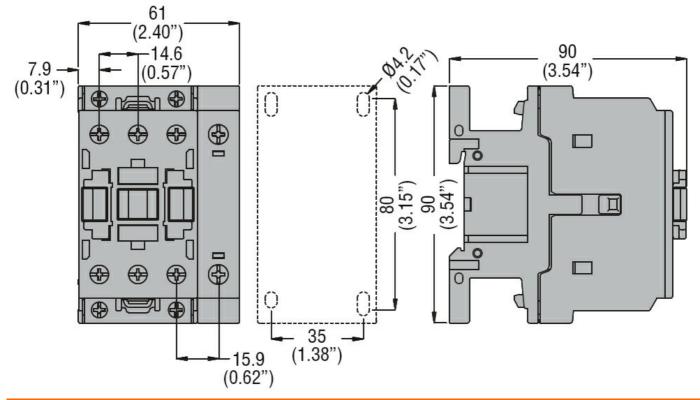
		min	lbin	0.8
		max	lbin	0.74
Conductor section	simultaneously connectable		Nr.	2
	AWG/Kcmil			
	AWO/AGHII	max		6
	Flexible w/o lug conductor section			
	5	min	mm²	2.5
		max	mm²	16
	Flexible c/w lug conductor section			
		min	mm²	1
		max	mm²	10
	Flexible with insulated spade lug conductor			
		min	mm²	1
		max	mm²	10 IP20 when
· ·	ction according to IEC/EN 60529			properly wired
Mechanical features				
Operating position		1		\/ortical rl
		normal allowable		Vertical plan ±30°
		allowable		Screw / DIN rai
Fixing				35mm
Weight			g	522
Conductor section				
	AWG/kcmil conductor section			
		max		6
Operations				
Mechanical life			cycles	2000000
Electrical life			cycles	1400000
Safety related data				
Performance level Bi	0d according to EN/ISO 13489-1	rated load	ovoloo	1400000
		mechanical load	cycles cycles	20000000
Mirror contats accord	ing to IEC/EN 609474-4-1	mechanicarioau	Cycles	YES
EMC compatibility				yes
AC coil operating				yoo
Rated AC voltage at 6	60Hz		V	575
AC operating voltage				
	of 60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out		0/17	00
		min	%Us	20
AC average coil cons	umption at 20°C	max	%Us	55
no average coll cons	of 60Hz coil powered at 60Hz			
		in-rush	VA	75
		holding	VA VA	9
Dissipation at holding	≤20°C 50Hz		W	2.5
Max cycles frequency				
			cycles/h	3600
Mechanical operation			0,000,000	3000



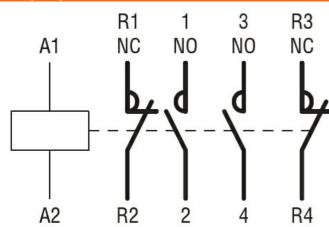
Average time for Us control in AC			
Closing NO			
	min	ms	8
	max	ms	24
Opening NO	тах	ine	21
oponing ito	min	ms	5
	max	ms	15
Closing NC			
3	min	ms	11
	max	ms	29
Opening NC			
	min	ms	6
	max	ms	14
UL technical data			
Full-load current (FLA) for three-phase AC motor			
	at 480V	А	40
	at 600V	А	32
Yielded 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
	575/600V	HP	30
General USE			
Contactor			
	AC current	А	55
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			
Pollution degree			3
Dimensions			



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Wiring diagrams



Certifications and compliance

	Jenipilanee	
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