



Product designation		Power contactor
Product type designation		BF38
Contact characteristics		
Number of poles	nr.	4
Rated insulation voltage Ui	V	690
Rated impulse withstand voltage Uimp	kV	6
Operating frequency		
Operational frequency min	Hz	25
Operational frequency max	Hz	400
Conventional free air thermal current Ith	Α	56
Operating current		
Operational current AC1 (≤40°C)	Α	56
Operational current AC3 (≤440V ≤55°C)	A	38
Operational current AC4 (400V)	A	15.5
Rated operational power AC1 (T≤40°C)	1 1 4 7	0.4
230V	kW	21
400V	kW	36
500V	kW	45
690V	kW	62
Rated operational power AC3 (T≤55°C)		4.4
230V	kW	11
400V	kW	18.5
415V	kW	18.5
440V	kW	18.5
500V	kW	20
Chart time allowable surrout (or 40 c (IFO/FN00047.4)	kW	22
hort-time allowable current for 10s (IEC/EN60947-1) A		320
Protection fuse	۸	00
gG (IEC)	A	63
Making conscity (DMS value)	A A	40
Making capacity (RMS value)	A	380
Breaking capacity at voltage	۸	204
Breaking capacity 440V	A	304
Breaking capacity 500V	A	240
Breaking capacity 690V	A mΩ	192
Resistance per pole (average value) Power dissipation per pole (average value)	11122	
Power dissipation per pole (average value) Power dissipation pole (average value) Ith	W	6
AC3	W	2.9
Tightening torque for terminals	V V	۷.5
	Nlm	2.5
min max	Nm Nm	2.5 3
min	lbft	3 1.8
max	lbft	2.2
Tightening torque for coil terminal	ibit	۷.۷



		min	Nm	0.8
		max	Nm	1
		min	lbft	0.8
		max	lbft	0.74
max number of wires	simultaneously connectable		nr.	2
Conductor section				
	AWG			
		min		14
		max		6
	Flexible w/o lug conductor section			
	-	min	mm²	2.5
		max	mm²	16
	Flexible c/w lug conductor section			
	Č	min	mm²	1
		max	mm²	10
	Flexible with insulated spade lug conductor section	n		
		min	mm²	1
		max	mm²	10
Power terminal protect	ction according to IEC/EN 60529			IP20 when wired
Auxiliary contact chara				ii 20 Wilon Wilod
Operational current A			Α	56
Operating current DC			,,	
Operating current bo	10			Screw / DIN rail
		110V	Α	35mm
Ambient conditions				Oomin
Temperature				
remperature	Operating temperature			
	Operating temperature	min	°C	-50
		max	°C	70
	Storage temperature	IIIdx		70
	Storage temperature	min	°C	-60
			°C	80
Max altitude		max		3000
			m	3000
Operating position		1		Madalala
		normal		Vertical plan
		allowable		±30°
Mounting				Screw / DIN rail
\\\\ a\: a\: b\				35mm
Weight			g	0.514
Operations			Oveler	0000000
Mechanical life			Cycles	20000000
Electrical life			Cycles	1400000
Safety related data	0 Lanca Part to FN/900 40400 4			
Pertormance level B1	0d according to EN/ISO 13489-1		_	
		rated load	Cicli	1400000
		mechanical load	Cicli	20000000
	ing to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating				
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up			
		min	%Us	0.8



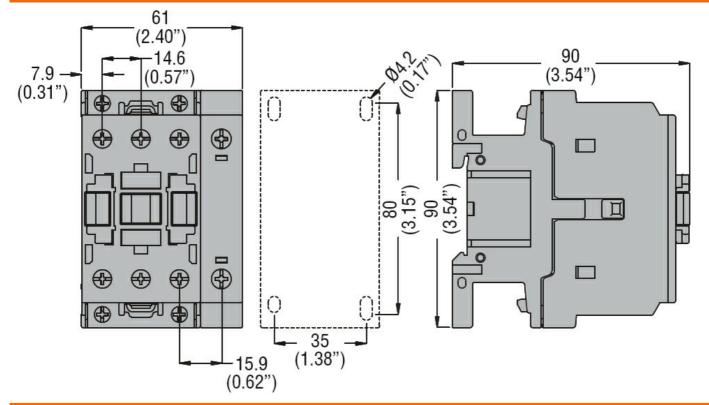


		max	%Us	1.1
	drop-out			
		min	%Us	0.2
		max	%Us	0.55
	of 50/60Hz coil powered at 60Hz			
	pick-up			
	plan ap	min	%Us	0.85
		max	%Us	1.1
	drop-out		,,,,,	
	arop out	min	%Us	0.2
		max	%Us	0.55
	of 60Hz coil powered at 60Hz	Пах	7000	0.00
	pick-up			
	ρισκ-αρ	min	%Us	0.8
		max	%Us	1.1
	drop out	IIIax	/005	1.1
	drop-out	min	%Us	0.2
A O		max	%Us	0.55
AC operating voltage	(50/00LL			
	of 50/60Hz coil powered at 50Hz	2 1	1.74	75
		in-rush	VA	75
	-	holding	VA	9
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	70
		holding	VA	6.5
	of 60Hz coil powered at 60Hz			
		in-rush	VA	75
		holding	VA	9
Dissipation at holding:	≤20°C 50Hz		W	2.5
Max cycles frequency				
Mechanical operations			Cycles/h	3600
Operating times				
Average time for Us co	ontrol			
	in AC			
	Closing NO			
		min	ms	8
		max	ms	24
	Opening NO			
		min	ms	5
		max	ms	15
UL technical data				
Full-load current (FLA)	for three-phase AC motor			
,		at 480V	Α	40
		at 600V	Α	32
Yielded mechanical pe	erformance			
'	for single-phase AC motor			
	g.c p	at 110/120V	hp	3
		at 230V	hp	7.5
	for three-phase AC motor	3. 200 V	٠.٢	
	is. and phase no motor	at 200/208V	hp	10
		at 220/230V	hp	15
		at 460/480V	hp	30
		at 575/600V	hp	30
General USE		at 07 0/000 V	ייף	

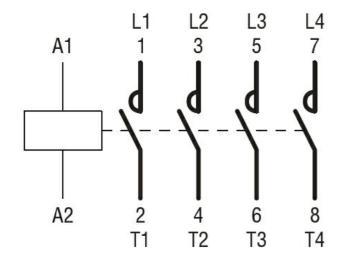


Contactor

AC current A 32
Other features
Pollution degree 3
Dimensions



Wiring diagrams



Certifications and compliance

Certifications

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1

IEC/EN 60947-1

IEC/EN 60947-4-1

UL 60947-1

UL 60947-4-1

Compliance



BF38T4A024

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 56A, AC COIL 50/60HZ,

CCC		
cULus		
EAC		

ETIM 6 classification

EC000066 - Power contactor, AC switching