



FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 56A, AC COIL 60HZ, 120VAC, 2NO AND 2NC



Product designation Power contactor Product type designation **BF38** Contact characteristics Nr. 4 Number of poles Rated insulation voltage Ui IEC/EN ٧ 690 Rated impulse withstand voltage Uimp kV 6 Operational frequency Н 25 min Hz 400 max IEC Conventional free air thermal current Ith 56 Α Operational current le AC-1 (≤40°C) Α 56 AC-1 (≤40°C) with 16mm² wire and fork end lugA 60 AC-1 (≤55°C) 45 AC-1 (≤55°C) with 16mm² wire and fork end lugA 48 AC-1 (≤70°C) 40 AC-1 (≤70°C) with 16mm² wire and fork end lugA 42 AC-3 (≤440V ≤55°C) Α 38 AC-4 (400V) 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/EN60947-1) Α 320 Protection fuse gG (IEC) 63 Α aM (IEC) Α 40 Making capacity (RMS value) 380 Breaking capacity at voltage 440V Α 304 500V Α 240 690V Α 192 Resistance per pole (average value) $m\Omega$ 2 Power dissipation per pole (average value) W lth 6 AC-3 W 2.9 Tightening torque for terminals 2.5 Nm min Nm max 3 min Ibin 1.8 2.2 max Ibin Tightening torque for coil terminal min Nm 0.8 max Nm 1





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Max number of wires simultaneously connectable				2.2
Max number of wires simultaneously connectable Nr. 2 Conductor section max 6 Flexible w/o lug conductor section min mm² 16 Flexible c/w lug conductor section min mm² 16 Flexible with insulated spade lug conductor section min mm² 1 Flexible with insulated spade lug conductor section min mm² 1 Prower terminal protection according to IEC/EN 60529 min mm² 1 Properting position normal wetchanical features Normal Normal 10 Subject to a line with insulated spade lug conductor section mormal mm² 1 2 1 1 1 1 2 2 1 1 1 </td <td></td> <td></td> <td></td> <td>0.8</td>				0.8
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Dissipation at holding ≤20°C 50Hz W 2.5 Max cycles frequency Mechanical operation cycles/h 3600				
Max cycles frequency Mechanical operation cycles/h 3600	District Control III			
Mechanical operation cycles/h 3600		SZU*U 5UHZ	VV	2.5
			cycles/	h 3600
	Operating times		Cycles/	

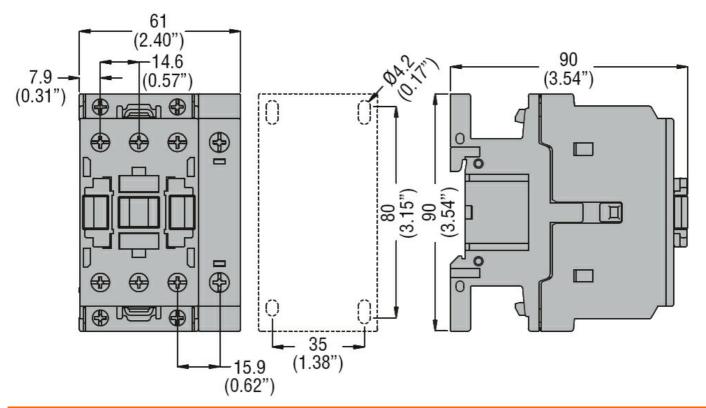




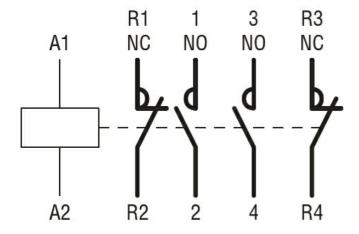
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Average time for Us control						
_	in AC					
	Closing NO					
		min	ms	8		
		max	ms	24		
	Opening NO					
		min	ms	5		
		max	ms	15		
	Closing NC					
		min	ms	11		
		max	ms	29		
	Opening NC					
		min	ms	6		
		max	ms	14		
UL technical data						
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					
		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	Α	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	on					
Pollution degree				3		
Dimensions						

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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

CCC

cULus

EAC

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching