



Product designation			Power contactor
Product type designation Contact characteristics			BF18
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Operational frequency		ΚV	0
Operational meduency	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	Пах	A	32
Operational current le			02
	AC-1 (≤40°C)	А	32
	AC-1 (≤55°C)	A	26
	AC-1 (≤70°C)	A	23
	AC-3 (≤440V ≤55°C)	А	18
	AC-4 (400V)	А	8.5
Rated operational power AC-1 (T≤40°C)	· · · ·		
	230V	kW	12
	400V	kW	21
	500V	kW	26
	690V	kW	36
Short-time allowable current for 10s (IEC/EN60947-1)		А	200
Protection fuse			
	gG (IEC)	А	32
	aM (IEC)	Α	20
Making capacity (RMS value)		А	180
Breaking capacity at voltage			
	440V	А	144
	500V	A	120
	690V	A	94
Resistance per pole (average value)		mΩ	2.5
Power dissipation per pole (average value)			
	Ith	W	2.6
	AC-3	W	0.8
Tightening torque for terminals			
	min	Nm	1.5
	max	Nm	1.8
	min	lbin Ibin	1.1
Tightening torque for coil terminal	max	lbin	1.5
	min	Nm	0.8
	max	Nm	0.8 1
	min	Ibin	0.8
	max	Ibin	0.74
Max number of wires simultaneously connectable	max	Nr.	2
max number of whoe enforcementationally connectable			-



Conductor section

Average coll consumption at 20°C of 60Hz coll port 20°C of 60Hz coll powered at 60Hz Performance level B10d according to EVISO 13489-1 Performance level B10d according to EVISO 13489-1 Pick-up Maccontext according to EVISO 13489-1 Pick-up Pick-up Pick-up Pick-up Pick-up Pick-up Pick-	Conductor section	AWG/Kcmil		
Flexible w/o lug conductor section min mm² 1 max mm² 6 Flexible c/w lug conductor section min mm² 1 max mm² 4 1 Flexible with insulated spade lug conductor section min mm² 1 max mm² 4 1 Power terminal protection according to IEC/EN 60529 IP20 when property wired Mechanical features 0 0 Operating position normal Vertical plan allowable -30° Screw / DIN rail Weight g 354 Conductor section max 10 Operations max 10 Mechanical life cycles 2000000 Staty related data eycles 2000000 Staty related data vertes Yets Performance level B10d according to EN/ISO 13489-1 rated load cycles 1600000 Mirror contats according to IEC/EN 609474-4-1 vertes Yets Yets EMC compatibility yets according tot IEC/EN 609474-4-1 Yets Ye				10
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min mm² 1 Flexible with insulated spade lug conductor section min mm² 4 Power terminal protection according to IEC/EN 60529 IP20 when properly wired IP20 when properly wired Mechanical features		max	mm²	6
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Operating times Average time for Us control			ovelee/b	3600
Average time for Us control			Cycles/II	3000
-		control		
	,			

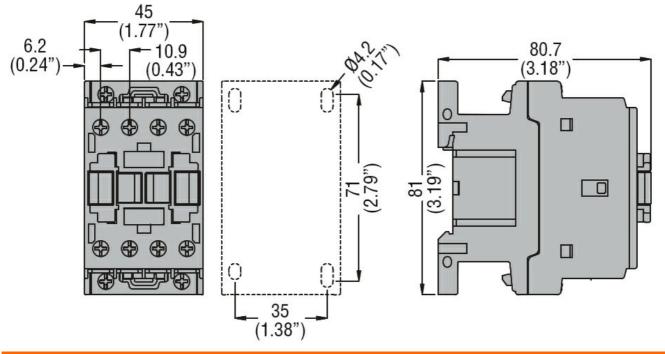
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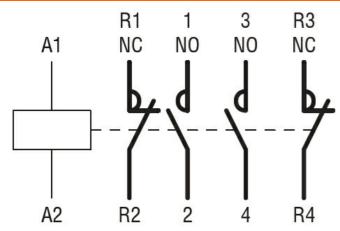
FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 32A, AC COIL 60HZ, 120VAC, 2NO AND 2NC

	Closing NO			
		min	ms	8
	• • • • •	max	ms	24
	Opening NO			
		min	ms	10
		max	ms	20
	Closing NC			
		min	ms	14
		max	ms	28
	Opening NC			7
		min	ms	7
		max	ms	18
UL technical data	for three phase AC meter			
Full-load current (FLA)) for three-phase AC motor	-1 40014	٨	4.4
		at 480V	A	14
		at 600V	A	17
Yielded mechanical pe				
	for single-phase AC motor	440/4001/		4
		110/120V	HP	1
		230V	HP	3
	for three-phase AC motor	000/0001/		-
		200/208V	HP	5
		220/230V	HP	5
		460/480V	HP	10
		575/600V	HP	15
General USE				
	Contactor	10		
A LES A LESS		AC current	A	32
Ambient conditions				
Temperature				
	Operating temperature		• •	50
		min	°C	-50
	<u></u>	max	°C	70
	Storage temperature			00
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Protection	on			
Pollution degree				3
Dimensions				





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