



Product designation Product type designation			Power contactor BF18
Contact characteristics			BITO
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Operational frequency			
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		А	32
Operational current le			
	AC-1 (≤40°C)	А	32
	AC-1 (≤55°C)	А	26
	AC-1 (≤70°C)	А	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)		Α	200
Protection fuse			
	gG (IEC)	А	32
	aM (IEC)	А	20
Making capacity (RMS value)		Α	180
Breaking capacity at voltage			
	440V	А	144
	500V	А	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	Ibin	1.1
	max	lbin	1.5
Tightening torque for coil terminal	<u>.</u>		
	min	Nm	0.8
	max	Nm	1
	min	Ibin	0.8
	max	Ibin	0.74
Max number of wires simultaneously connectable		Nr.	2



Conductor section

AWG/Kcmil Pexible w/o lug conductor section Pexible w/o lug conductor section Pexible w/o lug conductor section Pexible c/w lug conductor section Pexible c/w lug conductor section Pexible w/o lug conductor section Period Pexible w/o lug conductor section Period	Conductor section			
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Mechanical operation cycles/h 3600 Operating times Average time for Us control			W	2.5
Operating times Average time for Us control			ov (al a a /b	2600
Average time for Us control	-		cycles/n	3000
-		ontrol		

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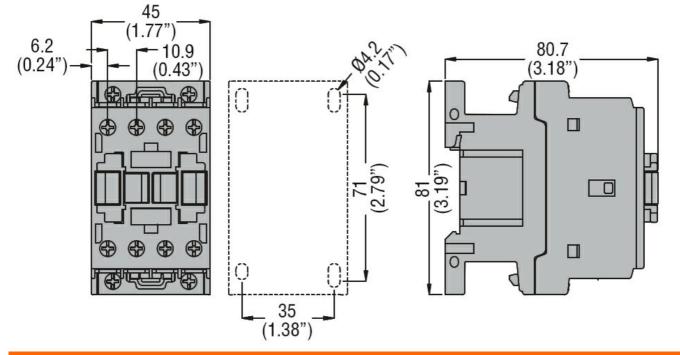


FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 32A, AC COIL 60HZ, 24VAC, 2NO AND 2NC

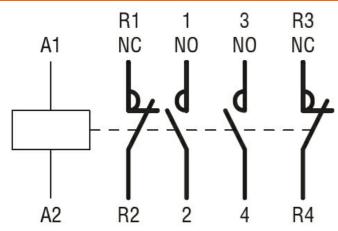
	Closing NO			0
		min	ms	8
		max	ms	24
	Opening NO			
		min	ms	10
		max	ms	20
	Closing NC			
		min	ms	14
		max	ms	28
	Opening NC			
		min	ms	7
		max	ms	18
UL technical data				
Full-load current (FLA) for three-phase	e AC motor			
		at 480V	А	14
		at 600V	А	17
Yielded mechanical performance				
for single-pha	se AC motor			
		110/120V	HP	1
		230V	HP	3
for three-phas	e AC motor			
•		200/208V	HP	5
		220/230V	HP	5
		460/480V	HP	10
		575/600V	HP	15
General USE		010,0001		
Contactor				
Contactor		AC current	А	32
Ambient conditions		AG current	~	52
Temperature	poroturo			
Operating terr	iperature		°C	50
		min	°C	-50
		max	°C	70
Storage temp	erature		•••	
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Protection				
Pollution degree				3
Dimensions				



BF18T2A02460 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 32A, AC COIL 60HZ, 24VAC, 2NO AND 2NC



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