



Product designation			Power contactor
Product type designation			BF18
Contact characteristics			
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		Α	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)		А	200
Protection fuse			
	gG (IEC)	А	32
	aM (IEC)	А	20
Making capacity (RMS value)		А	180
Breaking capacity at voltage			
	440V	А	144
	500V	А	120
	690V	А	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			
5 5 1	min	Nm	1.5
	max	Nm	1.8
	min	Ibin	1.1
	max	Ibin	1.5
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	Ibin	0.8
	max	Ibin	0.74
Max number of wires simultaneously connectable	IIIdA	Nr.	2
wax number of wires simulaneously connectable		INI.	2



BF18T0D060 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 32A, DC COIL, 60VDC, 4NC

Conductor section				
	AWG/Kcmil			
		max		10
	Flexible w/o lug conductor section			
		min	mm²	1
		max	mm²	6
	Flexible c/w lug conductor section			-
	0	min	mm²	1
		max	mm²	4
	Flexible with insulated spade lug conductor section			
	1 0	min	mm²	1
		max	mm²	4
Device a terminal a sete				IP20 when
Power terminal protect	ction according to IEC/EN 60529			properly wired
Mechanical features				
Operating position				
-		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail
Fixing				35mm
Weight			g	496
Conductor section				
	AWG/kcmil conductor section			
		max		10
Auxiliary contact char	acteristics			
Thermal current Ith			А	32
IEC/EN 60947-5-1 de	esignation			A600 - P600
Operations				
Mechanical life			cycles	20000000
Electrical life			cycles	1600000
Safety related data				
Performance level B1	10d according to EN/ISO 13489-1			
	r	ated load	cycles	1600000
	mecha	nical load	cycles	20000000
Mirror contats accord	ing to IEC/EN 609474-4-1		-	YES
EMC compatibility	~			yes
DC coil operating				•
DC rated control volta	age		V	60
DC operating voltage	-			
	pick-up			
		min	%Us	70
		max	%Us	125
	drop-out			
		min	%Us	10
		max	%Us	40
Average coil consum	ption ≤20°C			
<u> </u>		in-rush	W	5.4
		holding	W	5.4
Max cycles frequency	/	J		-
Mechanical operation			cycles/h	3600
Operating times			,	
Average time for Us of	control			
	in AC			

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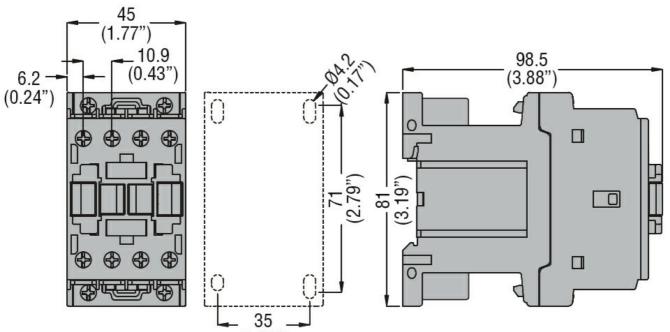


		Closing NO	min	-	0
			min	ms	8
			max	ms	24
		Opening NO	min	ma	10
			min max	ms ms	20
		Closing NC	Παλ	1115	20
			min	ms	14
			max	ms	28
		Opening NC	Шах	mo	20
		oponing i to	min	ms	7
			max	ms	18
	in DC				
		Closing NC			
		chooling ite	min	ms	24
			max	ms	30
		Opening NC			
			min	ms	47
			max	ms	57
UL technical data					
) for three-phase AC m	otor			
	,		at 480V	А	14
			at 600V	А	17
Yielded mechanical p	erformance				
	for single-phase AC	motor			
			110/120V	HP	1
			230V	HP	3
	for three-phase AC n	notor			
			200/208V	HP	5
			220/230V	HP	5
			460/480V	HP	10
			575/600V	HP	15
General USE					
	Contactor				
			AC current	А	32
	Auxiliary contacts				
	,		AC voltage	V	600
			AC current	A	10
			DC voltage	V	250
			DC current	А	1
Contact rating of auxil	iary contacts according	to UL			SI - A600
Ambient conditions					
Temperature					
-	Operating temperatu	re			
			min	°C	-50
			max	°C	70
	Storage temperature	!			
	5 1 1		min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protecti	on				
Pollution degree					3
Dimensions					

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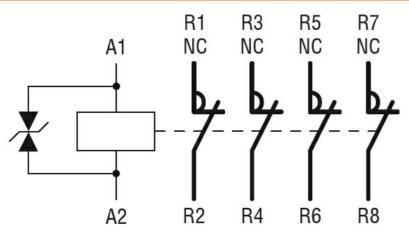


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(1.38")

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	1	
ETIM 8.0		EC000066 - Power contactor, AC switching