



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		A	32
Operational current le			
	AC-1 (≤40°C)	A	32
	AC-1 (≤55°C)	A	26
	AC-1 (≤70°C)	A	23
	AC-3 (≤440V ≤55°C)	A	18
	AC-4 (400V)	A	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)		A	200
Protection fuse			
	gG (IEC)	A	32
	aM (IEC)	A	20
Making capacity (RMS value)		A	180
Breaking capacity at voltage			
	440V	A	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	1.1
	max	lbin	1.5
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	lbin	0.8
	max	Ibin	0.74
Max number of wires simultaneously connectable		Nr.	2



2NO AND 2NC

Conductor section				
	AWG/Kcmil			
		max		10
	Flexible w/o lug conductor section		2	4
		min	mm² mm²	1 6
	Flexible c/w lug conductor section	max		0
	Trexible c/w rug conductor section	min	mm²	1
		max	mm²	4
	Flexible with insulated spade lug conductor section			
		min	mm²	1
		max	mm²	4
Power terminal protect	ction according to IEC/EN 60529			IP20 when properly wired
Mechanical features				F
Operating position				
		normal allowable		Vertical plan ±30°
Fixing				Screw / DIN rail 35mm
Weight			g	500
Conductor section				
	AWG/kcmil conductor section			
		max		10
Operations			· ·	
Mechanical life			cycles	2000000
Electrical life			cycles	1600000
Safety related data	10d according to EN/ISO 13489-1			
renomance level b		ated load	cycles	1600000
		nical load	cycles	20000000
Mirror contats accord	ing to IEC/EN 609474-4-1	incui icuu	0,0100	YES
EMC compatibility				yes
DC coil operating				,
DC rated control volta	age		V	220
DC operating voltage				
	pick-up			
		min	%Us	70
		max	%Us	125
	drop-out		0/17	4.0
		min	%Us %Us	10
Average coil consum	ntion <20°C	max	%Us	40
Average con consull		in-rush	W	5.4
		holding	Ŵ	5.4
Max cycles frequency	/			
Mechanical operation			cycles/h	3600
Operating times				
Average time for Us of	control			
	in AC			
	Closing NO			
		min max	ms ms	8 24

BF18T2D220

BF18T2D220



		Opening NO			
			min	ms	10
			max	ms	20
		Closing NC			
			min	ms	14
			max	ms	28
		Opening NC			
			min	ms	7
			max	ms	18
	in DC				
		Closing NO			
			min	ms	54
			max	ms	66
		Opening NO			
			min	ms	14
			max	ms	17
		Closing NC			
			min	ms	24
			max	ms	30
		Opening NC			
			min	ms	47
			max	ms	57
UL technical data					
Full-load current (FLA	A) for three-phase AC	motor			
			at 480V	А	14
			at 600V	A	17
Yielded mechanical p					
	for single-phase A	C motor			
			110/120V	HP	1
			230V	HP	3
	for three-phase AC	; motor			
			200/208V	HP	5
			220/230V	HP	5
			460/480V	HP	10
			575/600V	HP	15
General USE	•				
	Contactor				
			AC current	A	32
Ambient conditions					
Temperature	. .				
	Operating tempera	ture			
			min	°C	-50
			max	°C	70
	Storage temperatu	re			
			min	°C	-60
			max	°C	80
					3000
Max altitude				m	3000
Resistance & Protect	ion			m	
	ion			m	3

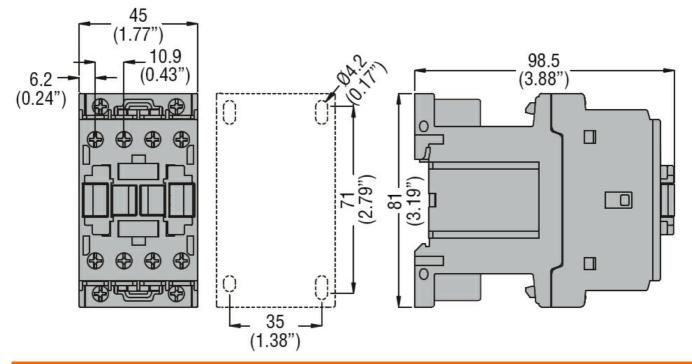
BF18T2D220



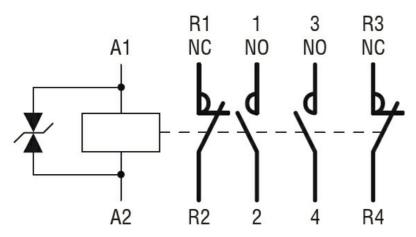


FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 32A, DC COIL, 220VDC,

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