



Product designation			Power contacto
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	Пал	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)	A	18
	AC-4 (400V)	A	8.5
Rated operational power AC-1 (T≤40°C)	70 4 (4007)	A	0.0
	230V	kW	12
	230V 400V	kW	21
	400V 500V	kW	26
	690V	kW	36
IFC may aureant to in DC1 with L/R < 1 may with 1 nation in parion	090 V	r v v	30
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series	≤24V	۸	17
	≤24∨ 48V	A	17
	48 V 75 V	A	15 15
	110V	A	6
	220V	A A	
IFC may automate to in DC1 with 1/D < 1 may with 2 males in action	2200	A	-
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series	<01) /	^	20
	≤24V	A	20
	48V	A	20
	75V	A	20
	110V	A	13
	220V	A	1
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series	-0.01		
	≤24V	A	22
	48V	A	22
	75V	A	20
	110V	Α	16
	220V	A	11
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series			
	≤24V	А	22
	48V	А	22
	75V	А	20
	110V	А	18
	220V	А	13



IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	≤24V	А	12
	48V	A	11
	75V	A	11
	110V	A	2
	220V	А	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	≤24V	А	15
	48V	A	13
	75V	A	13
	110V	А	8
	220V	А	2
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 3 poles in series			
· ·	≤24V	А	18
	48V	A	18
	75V	A	16
	110V	A	12
	220V	A	6
IEC max current le in DC3-DC5 with L/R \leq 15ms with 4 poles in series	2201	7.	0
	≤24V	А	18
	48V	A	18
	75V	A	16
	110V	A	13
	220V	A	8
Short-time allowable current for 10s (IEC/EN60947-1)	2201	A	200
Protection fuse		Λ	200
	gG (IEC)	А	32
	aM (IEC)	A	20
Making capacity (RMS value)		A	180
Breaking capacity at voltage		Λ	100
Dreaking capacity at voltage	440V	А	144
	500V	A	120
	690V	A	94
Resistance per pole (average value)	030 V	mΩ	2.5
Power dissipation per pole (average value)		11152	2.5
rower dissipation per pole (average value)	lth	W	2.6
	AC-3	W	0.8
Tightening torque for terminals	AC-3	vv	0.0
nginening torque for terminals	min	Nm	1.5
	min	Nm	
	max	Nm	1.8
	min	lbin Ibin	1.1
Tightoning torque for coil terminal	max	lbin	1.5
Tightening torque for coil terminal		N I.e	0.0
	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			
	max		10
Flexible w/o lug conductor section		-	
	min	mm²	1

BF18T4A46060 The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 32A, AC COIL 60HZ, 460VAC

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			mm ²	C
	Flexible c/w lug conductor section	max	mm²	6
		min	mm²	1
		max	mm²	4
	Flexible with insulated spade lug conduc			
		min	mm²	1
		max	mm²	4
Power terminal protect	tion according to IEC/EN 60529			IP20 when
				properly wired
Mechanical features				
Operating position		normal		Vertical plan
		allowable		±30°
				Screw / DIN rail
Fixing				35mm
Weight			g	368
Conductor section				
	AWG/kcmil conductor section			
		max		10
Operations				
Mechanical life			cycles	2000000
Electrical life			cycles	1600000
Safety related data	0d according to EN/ISO 13489-1			
r enormance level DI	ou according to ETV/100 10408-1	rated load	cycles	1600000
		mechanical load	cycles	20000000
Mirror contats accordi	ing to IEC/EN 609474-4-1	moonamoanoaa	0,0100	yes
EMC compatibility	5			yes
AC coil operating				,
Rated AC voltage at 6	60Hz		V	460
AC operating voltage				
	of 60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	80
	dram aut	max	%Us	110
	drop-out	min	%Us	20
		max	%Us %Us	20 55
AC average coil cons	umption at 20°C	Παλ	,	
	of 60Hz coil powered at 60Hz			
		in-rush	VA	75
		holding	VA	9
Dissipation at holding			W	2.5
Max cycles frequency				
Mechanical operation			cycles/h	3600
Operating times				
Average time for Us c				
	in AC			
	Closing NO	min	ms	8
		max	ms	24
	Opening NO	Παλ	115	<u> </u>
	opening	min	ms	10
		max	ms	20

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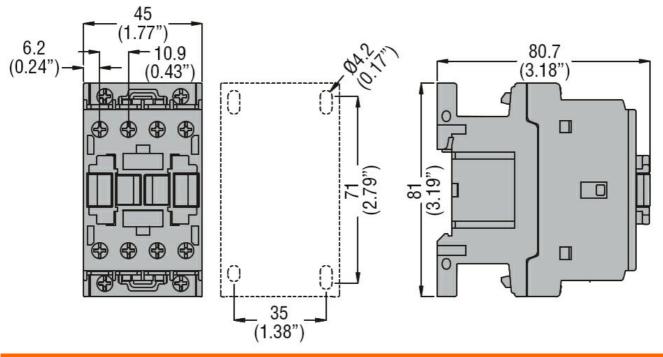
FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 32A, AC COIL 60HZ,

460VAC

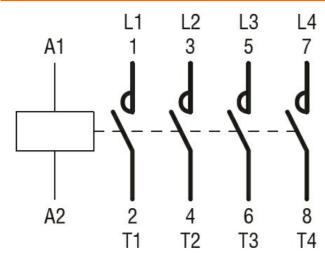
	Closing NC			
		min	ms	14
		max	ms	28
	Opening NC			-
		min	ms	7
UL technical data		max	ms	18
) for three-phase AC motor			
	for three-phase AC motor	at 480V	۸	14
		at 600V	A A	17
Yielded mechanical pe	orformance	at 000 v	A	17
neideu mechanicai pe	for single-phase AC motor			
	tor single-phase AC motor	110/120V	HP	1
		230V	HP	1 3
	for three-phase AC motor	230 V		5
	tor three-phase 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
Short-circuit protectior	n fuse. 600V			
	High fault			
		Short circuit current	kA	100
		Fuse rating	А	60
		Fuse class		J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	А	80
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				



BF18T4A46060 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 32A, AC COIL 60HZ, 460VAC



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