



Product designation			Power contactor
Product type designation Contact characteristics			BF18
Number of poles		pr	3
Rated insulation voltage Ui		nr. V	690
Rated impulse withstand voltage Uimp		kV	6
Operating frequency		κv	0
Operating frequency	Operational frequency min	Hz	25
	Operational frequency max	Hz	400
Conventional free air thermal current Ith	Operational frequency max	A	32
Operating current		~	52
Operating current	Operational current AC1 (≤40°C)	А	32
	Operational current AC3 (≤440V ≤55°C)	A	18
	Operational current AC3 (3440V 353 C) Operational current AC4 (400V)	A	8.5
Rated operational power AC1 (T≤40°C)		~	0.0
	230V	kW	12
	400V	kW	21
	400V 500V	kW	26
	690V	kW	36
Rated operational power AC3 (T≤55°C)	0301		50
	230V	kW	4
	400V	kW	7.5
	400V 415V	kW	9
	440V	kW	9
	500V	kW	10
	690V	kW	10
Short-time allowable current for 10s (IEC/EN6		A	200
Protection fuse		~~~~	200
	gG (IEC)	А	32
	aM (IEC)	A	20
Making capacity (RMS value)		A	180
Breaking capacity at voltage		7.	100
Broaking oupdoiry at voltage	Breaking capacity 440V	А	144
	Breaking capacity 500V	A	120
	Breaking capacity 500V Breaking capacity 690V	A	94
Resistance per pole (average value)	Broaking sapasity see v	mΩ	2.5
Power dissipation per pole (average value)		11132	2.0
	Power dissipation pole (average value) Ith	W	2.6
	AC3	W	0.8
Tightening torque for terminals		**	0.0
	min	Nm	1.5
	max	Nm	1.8
	min	lbft	1.1
	max	lbft	1.5
	IIIdA	1011	

Tightening torque for coil terminal



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		min	Nm	0.8
		max	Nm	1
		min	lbft	0.8
		max	lbft	0.74
max number of wires simultaned	busly connectable		nr.	2
Conductor section				
AWG				
		min		16
		max		10
Flexible	w/o lug conductor section			
		min	mm²	1
		max	mm²	6
Flexible	c/w lug conductor section			
		min	mm²	1
		max	mm²	4
Flexible	with insulated spade lug conductor section			
		min	mm²	1
		max	mm²	4
Power terminal protection accor	ding to IEC/EN 60529			IP20 when wired
Auxiliary contact characteristics				
Type of contact				1 NC
Thermal current Ith			А	10
IEC/EN 60947-5-1 designation				A600 - P600
Operational current AC1 (≤40°C)		А	32
Operating current AC15				
		230V	А	3
		400V	А	1.9
		500V	А	1.4
Operating current DC12				
1 3		110V	А	5.7
Operating current DC13				-
		24V	А	5.7
		48V	A	2.9
		40V 60V	A	2.3
			~	Screw / DIN rail
		110V	Α	35mm
		125V	А	0.6
		220V		0.2
		220V 600V	A A	1.2
Ambient conditions		0000	A	1.2
Temperature				
Operatir	ng temperature			
		min	°C	-50
-		max	°C	70
Storage	temperature	-	~ ~	
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Operating position				
		normal		Vertical plan
		allowable		±30°
				Screw / DIN rail
Mounting				
Mounting Weight				35mm 0.495

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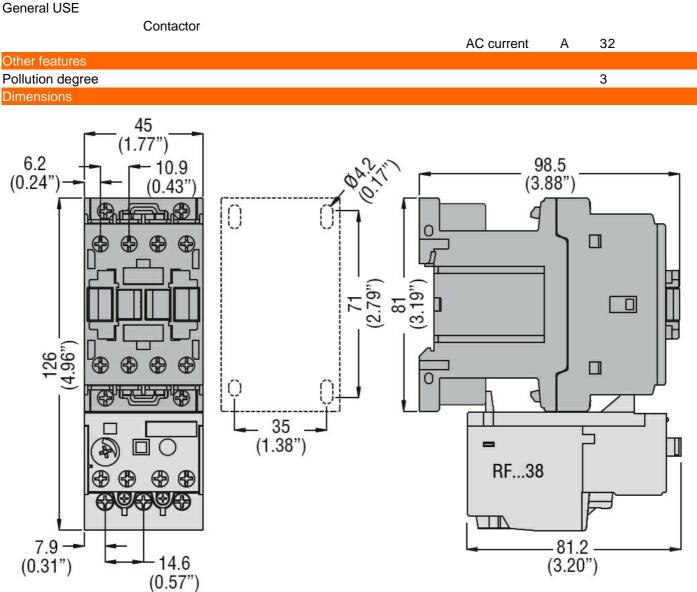
1NC AUXILIARY CONTA

Operations			
Mechanical life		Cycles	2000000
Electrical life		Cycles	1600000
Safety related data			
Performance level B10d according to EN/ISO 13489-1			
	rated load	Cicli	1600000
	mechanical load	Cicli	20000000
Mirror contats according to IEC/EN 609474-4-1			yes
EMC compatibility			yes
DC coil operating			
DC rated control voltage			
	min	V	6
DC operating voltage			
pick-up			
	min	%Us	0.7
	max	%Us	1.25
drop-out			
	min	%Us	0.1
	max	%Us	0.40
Average coil consuption ≤20°C			
	in-rush	W	5.4
	holding	W	5.4
Max cycles frequency			
Mechanical operations		Cycles/h	3600
Operating times			
Average time for Us control			
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			47
	min	ms	47
	max	ms	57
UL technical data			
Full-load current (FLA) for three-phase AC motor		^	4.4
	at 480V	A	14
Vielded mechanised performance -	at 600V	A	17
Yielded mechanical performance			
for single-phase AC motor	-140/4001	L	4
	at 110/120V	hp	1
for three shares AQ motor	at 230V	hp	3
for three-phase AC motor	-1 000/0001/	L	F
	at 200/208V	hp	5
	at 220/230V	hp	5
	at 460/480V	hp	10
	at 575/600V	hp	15
Contact rating of auxiliary contacts according to UL			A600 - P600

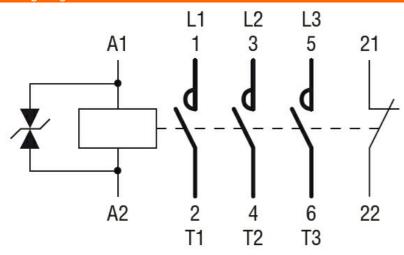
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General USE



Wiring diagrams



Certifications and compliance Certifications

CSA C22.2 n° 60947-1

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	CSA C22.2 n° 60947-4-1
	IEC/EN 60947-1
	IEC/EN 60947-4-1
	UL 60947-1
	UL 60947-4-1
Compliance	
	CCC
	cULus
	EAC
FTIM 6 classification	

EC000066 - Power contactor, AC switching

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