

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 110A, AC COIL 60HZ,



Product designation			Power contactor
Product type designation			11BF110
Contact characteristics			
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		Α	125
Operational current le		_	
	AC-1 (=40°C)	Α	125
	AC-3 (=440V =55°C)	Α	110
Rated operational power AC-1 (T=40°C)			
	230V	kW	47
	400V	kW	82
	500V	kW	108
	690V	kW	128
Short-time allowable current for 10s (IEC/EN60947-1)		Α	880
Protection fuse		_	
	gG (IEC)	Α	160
	aM (IEC)	A	125
Making capacity (RMS value)		Α	1200
Breaking capacity at voltage	4.403.4		4000
	440V	A	1200
	500V	A	1050
Desire to the form of the last	690V	Α	800
Resistance per pole (average value)		m?	0.6
Power dissipation per pole (average value)			
	Ith	W	9.4
	AC3	W	7.3
Tightening torque for terminals			
	min	Nm	4
	max	Nm	5
	min	lbin	2.95
Tinhtonia a tauna fan asil tausia al	max	lbin	3.7
Tightening torque for coil terminal		Nina	0.0
	min	Nm	0.8
	max	Nm Ibin	1
	min	lbin Ibin	0.8
May number of using a impultance using a connectable	max	Ibin	0.74
Max number of wires simultaneously connectable		Nr.	1
Conductor section			
AWG/Kcmil			2/0
	max		2/0



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	Flexible w/o lug conductor section			
	Ç	min	mm²	6
		max	mm²	50
	Flexible c/w lug conductor section			
	The second of the same of the	min	mm²	6
		max	mm²	50
Power terminal protect	tion according to IEC/EN 60529			IP20 front
Mechanical features	and according to 120/211 coops			II Zo IIOIR
Operating position				
Operating position		normal		Vertical plan
		allowable		±30°
		allowabic		Screw / DIN rail
Fixing				35mm
Weight			α	1358
Conductor section			g	1330
CONTROL SECTION	AWG/kcmil conductor section			
	AVVG/KCITIII COTIQUCTOT Section	may		2/0
Operations		max		21 U
Mechanical life			ovolca	15000000
			cycles	15000000
Electrical life			cycles	800000
Safety related data				
Performance level B10	0d according to EN/ISO 13489-1			
		rated load	cycles	800000
	-	mechanical load	cycles	15000000
	ng to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating				
AC operating voltage				
	of 60Hz coil powered at 60Hz			
	of 60Hz coil powered at 60Hz pick-up			
		min	%Us	80
		min max	%Us %Us	80 110
	pick-up		%Us %Us	
	pick-up	max	%Us	110
	pick-up drop-out	max min	%Us %Us	110 20
AC operating voltage	pick-up drop-out	max min	%Us %Us	110 20
AC operating voltage	pick-up drop-out umption at 20°C	max min	%Us %Us	110 20
AC operating voltage	pick-up drop-out umption at 20°C	max min max	%Us %Us %Us	110 20 55
AC operating voltage	pick-up drop-out umption at 20°C	max min max in-rush	%Us %Us %Us VA	110 20 55 200
AC operating voltage	pick-up drop-out umption at 20°C of 50/60Hz coil powered at 50Hz	max min max in-rush	%Us %Us %Us VA	110 20 55 200
AC operating voltage	pick-up drop-out umption at 20°C of 50/60Hz coil powered at 50Hz	max min max in-rush holding in-rush	%Us %Us %Us VA VA	110 20 55 200 18 200
AC operating voltage	pick-up drop-out umption at 20°C of 50/60Hz coil powered at 50Hz	max min max in-rush holding	%Us %Us %Us VA VA	110 20 55 200 18
AC operating voltage	pick-up drop-out Imption at 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz	max min max in-rush holding in-rush	%Us %Us %Us VA VA	110 20 55 200 18 200
AC operating voltage	pick-up drop-out Imption at 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz	max min max in-rush holding in-rush holding in-rush	%Us %Us %Us VA VA	110 20 55 200 18 200 15 220
AC operating voltage AC average coil consu	pick-up drop-out Imption at 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz of 60Hz coil powered at 60Hz	max min max in-rush holding in-rush holding	%Us %Us %Us VA VA VA VA VA	110 20 55 200 18 200 15
AC operating voltage AC average coil consultations Dissipation at holding	pick-up drop-out Imption at 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz of 60Hz coil powered at 60Hz	max min max in-rush holding in-rush holding in-rush	%Us %Us %Us VA VA VA VA VA	110 20 55 200 18 200 15 220 18
AC operating voltage AC average coil consultation Dissipation at holding: Max cycles frequency	pick-up drop-out Imption at 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz of 60Hz coil powered at 60Hz	max min max in-rush holding in-rush holding in-rush	%Us %Us %Us VA	110 20 55 200 18 200 15 220 18 6
AC operating voltage AC average coil consultation Dissipation at holding: Max cycles frequency Mechanical operation	pick-up drop-out Imption at 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz of 60Hz coil powered at 60Hz	max min max in-rush holding in-rush holding in-rush	%Us %Us %Us VA VA VA VA VA	110 20 55 200 18 200 15 220 18 6
AC operating voltage AC average coil consultation Dissipation at holding: Max cycles frequency Mechanical operation Operating times	pick-up drop-out Imption at 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz of 60Hz coil powered at 60Hz =20°C 50Hz	max min max in-rush holding in-rush holding in-rush	%Us %Us %Us VA	110 20 55 200 18 200 15 220 18 6
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AC operating voltage AC average coil consultation Dissipation at holding: Max cycles frequency Mechanical operation Operating times	pick-up drop-out Imption at 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz of 60Hz coil powered at 60Hz =20°C 50Hz	max min max in-rush holding in-rush holding in-rush	%Us %Us %Us VA	110 20 55 200 18 200 15 220 18 6



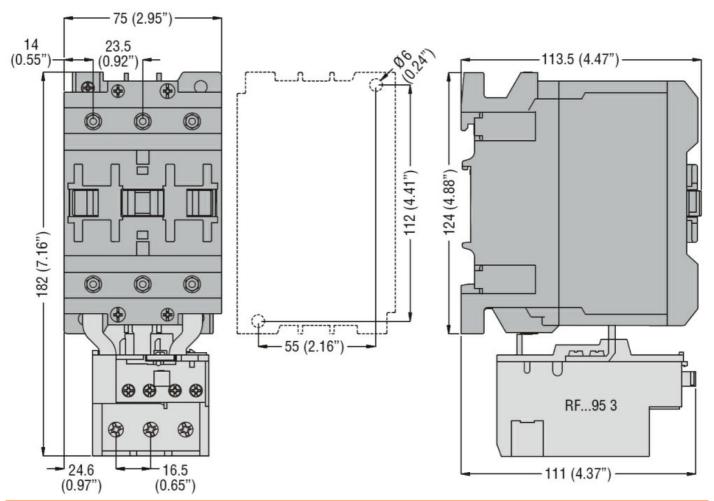


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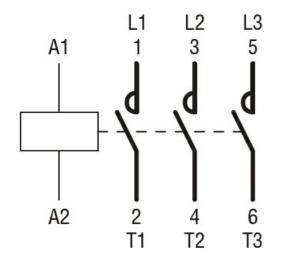
		max	ms	28
	Opening NO			
		min	ms	6
		max	ms	19
	in DC			
	Closing NO			
		min	ms	40
		max	ms	85
	Opening NO			
		min	ms	20
		max	ms	55
UL technical data				
Full-load current (FLA)	for three-phase AC motor			
		at 480V	Α	96
		at 600V	Α	99
Yielded mechanical pe	rformance			
	for three-phase AC motor			
		200/208V	HP	30
		220/230V	HP	40
		460/480V	HP	75
		575/600V	HP	100
General USE				
	Contactor			
		AC current	Α	125
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				



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 110A, AC COIL 60HZ, 120VAC



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1

IEC/EN 60947-1

IEC/EN 60947-4-1

UL 60947-1

UL 60947-4-1

Certificates



11BF1100012060

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 110A, AC COIL 60HZ, 120VAC

CCC		
cULus		
EAC		

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching