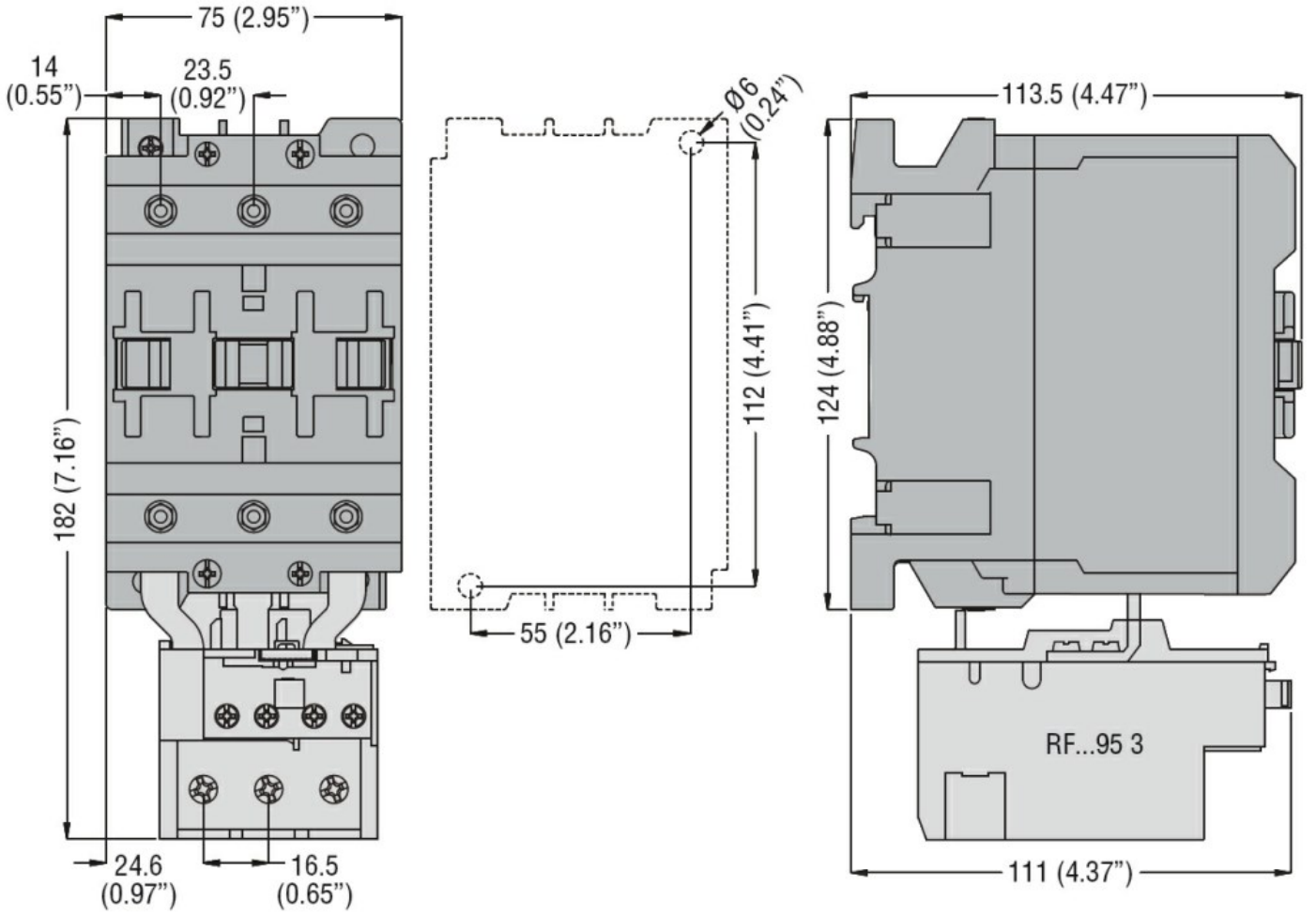
11BF950012060

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 95A, AC COIL 60HZ, 120VAC

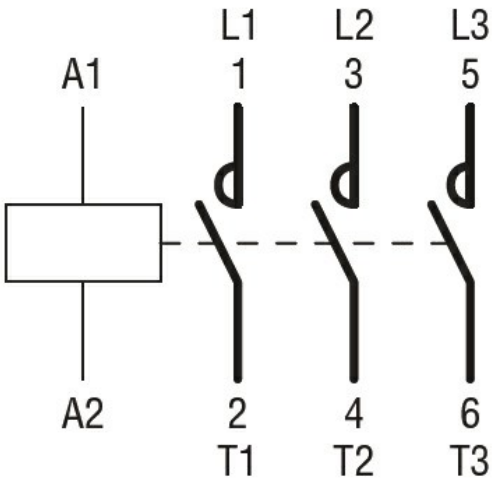
Product designation			Power contactor
Product type designation			11BF95
Contact characteristics			
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		A	125
Operational current Ie			
	AC-1 (=40°C)	A	125
	AC-3 (=440V =55°C)	A	95
	AC-4 (400V)	A	45
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)		A	760
Protection fuse			
	gG (IEC)	A	160
	aM (IEC)	A	100
Making capacity (RMS value)		A	1200
Breaking capacity at voltage			
	440V	A	1200
	500V	A	1050
	690V	A	800
Resistance per pole (average value)		m?	0.5
Power dissipation per pole (average value)			
	Ith	W	9.4
	AC3	W	5.4
Tightening torque for terminals			
	min	Nm	5
	max	Nm	5
	min	lbin	2.95
	max	lbin	4.4
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	lbin	0.8
	max	lbin	0.74
Max number of wires simultaneously connectable		Nr.	1
Conductor section			
	AWG/Kcmil		

		max		2/0
	Flexible w/o lug conductor section			
		min	mm²	6
		max	mm²	50
	Flexible c/w lug conductor section			
		min	mm²	6
		max	mm²	50
Power terminal protection according to IEC/EN 60529				IP20 front
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight			g	1325
Conductor section				
	AWG/kcmil conductor section			
		max		2/0
Operations				
Mechanical life			cycles	15000000
Electrical life			cycles	1200000
Safety related data				
Performance level B10d according to EN/ISO 13489-1				
		rated load	cycles	1200000
		mechanical load	cycles	15000000
Mirror contats according to IEC/EN 609474-4-1				yes
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 60Hz			V	120
AC operating voltage				
	of 60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	55
AC average coil consumption at 20°C				
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	200
		holding	VA	18
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	200
		holding	VA	15
	of 60Hz coil powered at 60Hz			
		in-rush	VA	220
		holding	VA	18
Dissipation at holding =20°C 50Hz			W	6
DC coil operating				
Average coil consumption =20°C				
		in-rush	W	65
		holding	W	110
Max cycles frequency				

Mechanical operation			cycles/h	3600
Operating times				
Average time for Us control				
	in AC			
		Closing NO		
			min	ms 13
			max	ms 28
		Opening NO		
			min	ms 6
			max	ms 19
	in DC			
		Closing NO		
			min	ms 45
			max	ms 90
		Opening NO		
			min	ms 24
			max	ms 60
UL technical data				
Full-load current (FLA) for three-phase AC motor				
			at 480V	A 77
			at 600V	A 77
Yielded mechanical performance				
	for three-phase AC motor			
			200/208V	HP 30
			220/230V	HP 30
			460/480V	HP 60
			575/600V	HP 75
General USE				
	Contactor			
			AC current	A 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				
Pollution degree				3
Dimensions				



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

	CCC
	cULus
	EAC

ETIM classification

ETIM 8.0	EC000066 - Power contactor, AC switching