



Product designation				Power contactor
Product type designation				11BF95
Contact characteristics				
Number of poles	Nr.			3
Rated insulation voltage U _i IEC/EN	V			1000
Rated impulse withstand voltage U _{imp}	kV			8
Operational frequency	min	Hz		25
	max	Hz		400
IEC Conventional free air thermal current I _{th}	A			125
Operational current I _e	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)	mΩ			0.5
Power dissipation per pole (average value)	I _{th}	W		9.4
	AC3	W		5.4
Tightening torque for terminals	min	Nm		5
	max	Nm		5
	min	I _{bin}		2.95
	max	I _{bin}		4.4
Tightening torque for coil terminal	min	Nm		0.8
	max	Nm		1
	min	I _{bft}		0.8
	max	I _{bft}		0.74
Max number of wires simultaneously connectable	Nr.			1
Conductor section	Flexible w/o lug conductor section			

	min	mm ²	6
	max	mm ²	50
Flexible c/w lug conductor section			
	min	mm ²	6
	max	mm ²	50
Power terminal protection according to IEC/EN 60529			IP20 front
Mechanical features			
Operating position			
	normal allowable		Vertical plan ±30°
Fixing			Screw / DIN rail 35mm
Weight		g	1375
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 contacts according to IEC/EN 60947-4-1			Yes
EMC compatibility			Yes
AC coil operating			
Rated AC voltage at 50/60Hz		V	230
AC operating voltage			
of 50/60Hz coil powered at 50Hz drop-out			
	min	%Us	20
	max	%Us	55
of 50/60Hz coil powered at 60Hz pick-up			
	min	%Us	80
	max	%Us	110
drop-out			
	min	%Us	40
	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
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Ambient conditions

Temperature

Operating temperature

min	°C	-50
max	°C	70

Storage temperature

min	°C	-60
max	°C	80

Max altitude

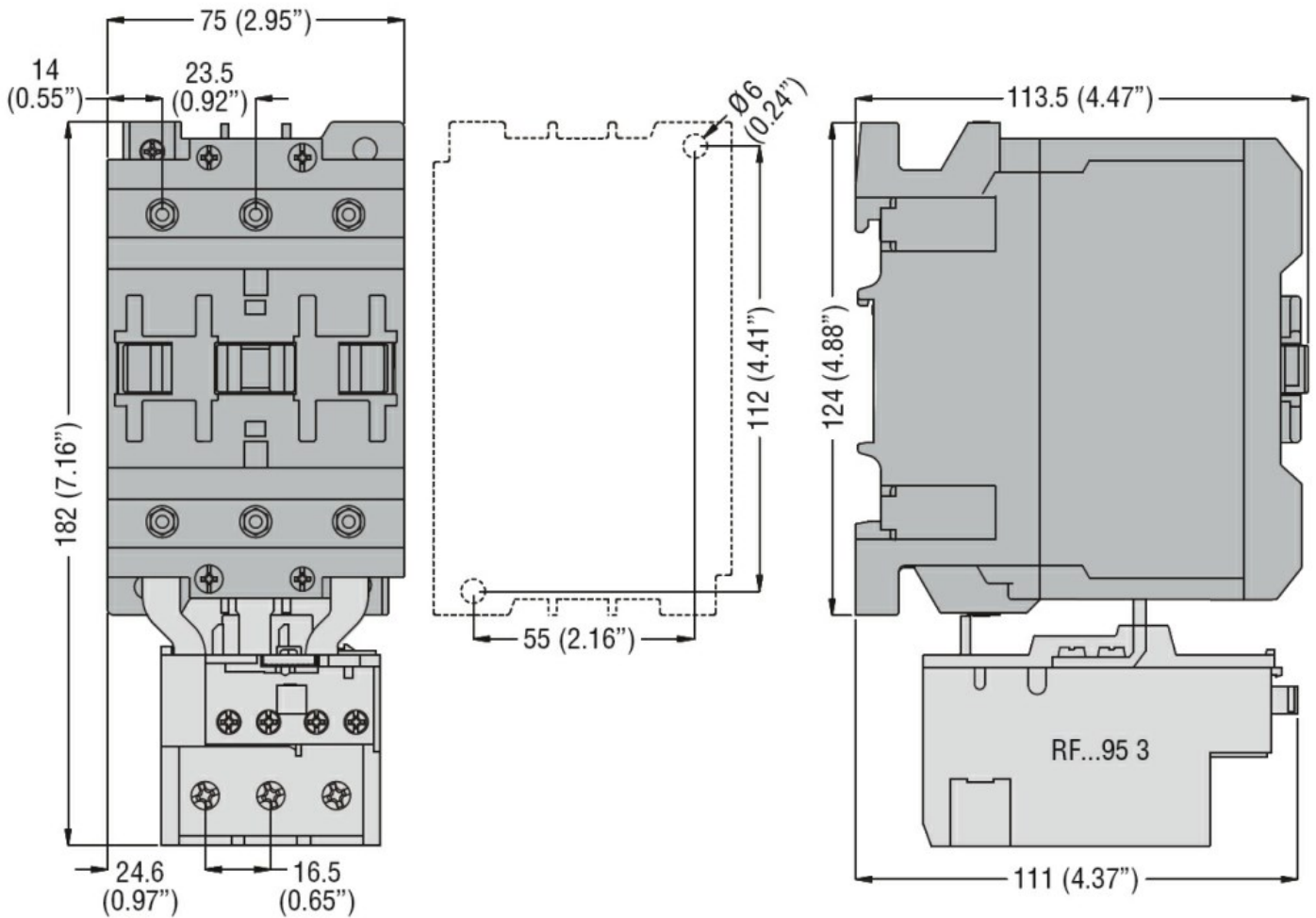
m	3000
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Resistance & Protection

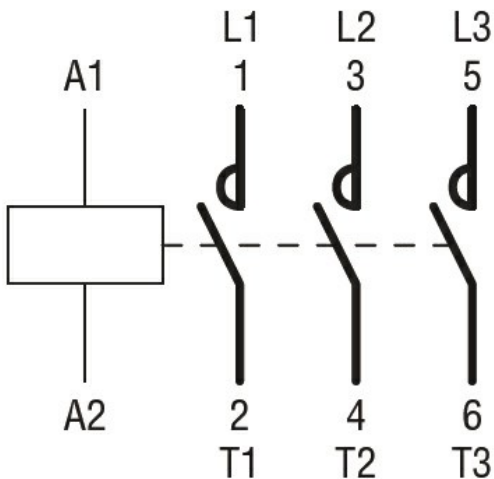
Pollution degree

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