



Product designation			Power contactor
Product type designation			BF95
Contact characteristics			
Number of poles		nr.	3
Rated insulation voltage Ui		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operating frequency			
Operational fre		Hz	25
Operational fre	quency max	Hz	400
Conventional free air thermal current Ith		Α	140
Operating current	40) / 45500)	^	0.5
Operational current AC3 (≤4	•	A	95
Operational current	AC4 (400V)	A A	45 760
Short-time allowable current for 10s (IEC/EN60947-1)  Protection fuse		A	760
FIDIECTION IUSE	gG (IEC)	۸	160
	aM (IEC)	A	100
Making capacity (RMS value)	aivi (IEC)	A A	1200
Breaking capacity (KNRS value)			1200
	pacity 440V	Α	1100
	pacity 500V	A	775
<del>-</del>	pacity 690V	A	745
Resistance per pole (average value)	paony 000 v	mΩ	0.45
Power dissipation per pole (average value)			0.10
Power dissipation pole (average value)	ne value) Ith	W	8.8
r onor alcolpation polo (avora)	AC3	W	4.1
Tightening torque for terminals			
3 3 1	min	Nm	5
	max	Nm	6
	min	lbft	3.7
	max	lbft	4.4
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	lbft	0.59
	max	lbft	0.74
max number of wires simultaneously connectable		nr.	2
Conductor section			
AWG			
	min		16
	max		2
Flexible w/o lug conductor section		_	
	min	mm²	1.5
<del></del>	max	mm²	70
Flexible c/w lug conductor section			





# THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 95A, AC COIL 50/60HZ,

		min	mm²	1.5
		max	mm²	70
Power terminal protect	tion according to IEC/EN 60529	παλ	111111	IP20 front
Ambient conditions	tion according to IEE/EN 00329			II 20 IIOIIL
Temperature				
Tomporataro	Operating temperature			
	oporating temperature	min	°C	-50
		max	°C	70
	Storage temperature			
	o to roge to mp or anno	min	°C	-60
		max	°C	80
Max altitude			m	3,000
Operating position				,
1 01		normal		Vertical plan
		allowable		±30°
Manueliaa				Screw / DIN rail
Mounting				35mm
Weight			g	1
Operations				
Mechanical life			Cycles	15,000,000
Electrical life			Cycles	1100000
Safety related data				
Mirror contats according	ng to IEC/EN 609474-4-1			Yes
EMC compatibility				Yes
AC coil operating				
Rated AC voltage at 50	0/60Hz, 60Hz			
		min	V	12
		max	V	600
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	55
	of 50/60Hz coil powered at 60Hz			
	pick-up		0/11-	0.5
		min	%Us	85
	dra+	max	%Us	110
	drop-out	min	0/110	40
		min max	%Us %Us	40 55
	of 60Hz coil powered at 60Hz	IIIax	/008	55
	pick-up			
	ριοκ-αρ	min	%Us	80
		max	%Us	110
	drop-out	max	,003	. 10
	3.5p 54t	min	%Us	20
		max	%Us	55
AC operating voltage		max	,,,,,	
op olding tollago	of 50/60Hz coil powered at 50Hz			
	5. 55/55/12 55/1 powored at 50/12	in-rush	VA	300
		holding	VA	20
			-, •	• •

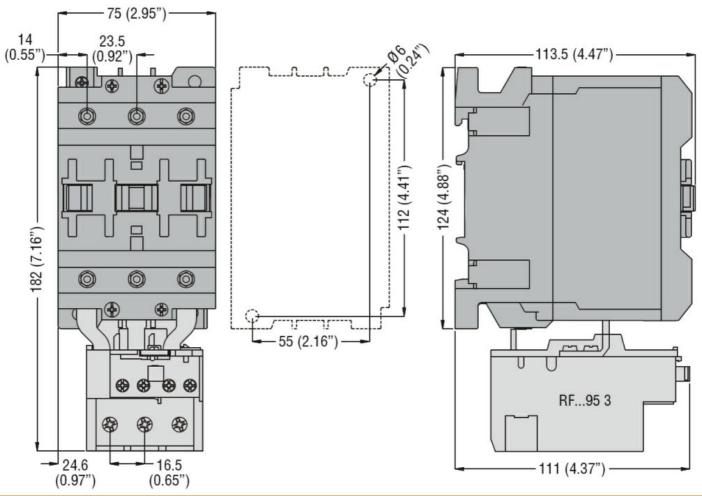




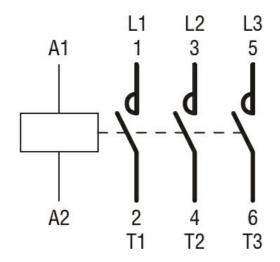
# THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 95A, AC COIL 50/60HZ,

	of 50/60Hz coil po	owered at 60Hz			
			in-rush	VA	275
			holding	VA	17
	of 60Hz coil power	ered at 60Hz			
	•		in-rush	VA	300
			holding	VA	20
Dissipation at holding :	≤20°C 50Hz			W	6.5
DC coil operating					
DC rated control voltage	ge				
			min	V	20
			max	V	250
DC operating voltage					
	pick-up				
			min	%Us	80
			max	%Us	110
Average coil consuption	on ≤20°C				
			in-rush	W	65
			holding	W	110
Mary avalor from the series					
Max cycles frequency					
Mechanical operations				Cycles/h	3,600
Mechanical operations Operating times				Cycles/h	3,600
Mechanical operations	ontrol			Cycles/h	3,600
Mechanical operations Operating times				Cycles/h	3,600
Mechanical operations Operating times	ontrol	Closing NO		Cycles/h	
Mechanical operations Operating times	ontrol	Closing NO	min	Cycles/h	16
Mechanical operations Operating times	ontrol	-			
Mechanical operations Operating times	ontrol	Closing NO Opening NO	min max	ms ms	16 32
Mechanical operations Operating times	ontrol	-	min max min	ms ms	16 32 9
Mechanical operations Operating times	ontrol in AC	-	min max	ms ms	16 32
Mechanical operations Operating times	ontrol	Opening NO	min max min	ms ms	16 32 9
Mechanical operations Operating times	ontrol in AC	-	min max min max	ms ms ms ms	16 32 9 24
Mechanical operations Operating times	ontrol in AC	Opening NO	min max min max min	ms ms ms ms	16 32 9 24
Mechanical operations Operating times	ontrol in AC	Opening NO Closing NO	min max min max	ms ms ms ms	16 32 9 24
Mechanical operations Operating times	ontrol in AC	Opening NO	min max min max min max	ms ms ms ms	16 32 9 24 45 90
Mechanical operations Operating times	ontrol in AC	Opening NO Closing NO	min max min max min max min	ms ms ms ms	16 32 9 24 45 90
Mechanical operations Operating times	ontrol in AC	Opening NO Closing NO	min max min max min max	ms ms ms ms	16 32 9 24 45 90





## Wiring diagrams



#### Certifications and compliance

### Certifications

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

#### Compliance



### 11BF950024

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 95A, AC COIL 50/60HZ,

CCC		
cULus		
EAC		

ETIM 6 classification

EC000066 - Power contactor, AC switching