

### FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 140A, AC/DC COIL, 110VAC/DC



Product designation Power contactor
Product type designation BF95

min max AC-1 (≤40°C) AC-1 (≤55°C)	Nr. V kV Hz Hz A	4 1000 8 25 400 140
min max AC-1 (≤40°C) AC-1 (≤55°C)	V kV Hz Hz A	1000 8 25 400
min max AC-1 (≤40°C) AC-1 (≤55°C)	kV Hz Hz A	25 400
min max AC-1 (≤40°C) AC-1 (≤55°C)	Hz Hz A	25 400
max AC-1 (≤40°C) AC-1 (≤55°C)	Hz A	400
max AC-1 (≤40°C) AC-1 (≤55°C)	Hz A	400
AC-1 (≤40°C) AC-1 (≤55°C)	Α	
AC-1 (≤55°C)		140
AC-1 (≤55°C)	Α	
AC-1 (≤55°C)	Α	
		140
A C 4 (270°C)	Α	115
AC-1 (≤70°C)	Α	100
≨440V ≤55°C)	Α	95
AC-4 (400V)	Α	45
230V	Α	95
400V	Α	95
415V	Α	95
440V	Α	95
500V	A	95
690V	A	93
1000V	Α	33
-0.07		4.40
≤24V	A	140
48V	A	140
75V	A	100
		10
220 V	A	_
<241/	۸	1.10
		140 140
		140
75 V		110
110\/		12
110V 220V		12
110V 220V		140
220V	Α	140
220V ≤24V	A A	170
220V ≤24V 48V	Α	
220V ≤24V 48V 75V	A A	155
220V ≤24V 48V 75V 110V	A A A	155 120
220V ≤24V 48V 75V	A A	155
220V ≤24V 48V 75V 110V	A A A	155 120
	220V	220V A  ≤24V A  48V A  75V A  110V A  220V A  ≤24V A



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	75V	Α	155
	110V	Α	140
	220V	Α	140
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series	.0.41.7		
	≤24V	A	140
	48V	A	44
	75V 110V	A	36
	220V	A A	6 _
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series	220 V		_
The max current le in boo-boo with the 2 folias with 2 poles in series	≤24V	Α	140
	48V	A	63
	75V	Α	60
	110V	A	55
	220V	Α	7
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			•
	≤24V	Α	140
	48V	Α	115
	75V	Α	90
	110V	Α	85
	220V	Α	76
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
	≤24V	Α	140
	48V	Α	110
	75V	Α	110
	110V	Α	105
	220V	Α	95
Short-time allowable current for 10s (IEC/EN60947-1)		Α	760
Protection fuse			
	gG (IEC)	Α	160
	aM (IEC)	Α	100
Making capacity (RMS value)		Α	1200
Breaking capacity at voltage	4.401.4		4400
	440V	Α	1100
	500V	A	775
Decistance and the language colors	690V	A	745
Resistance per pole (average value)		mΩ	0.45
Power dissipation per pole (average value)	141-	147	0.0
	Ith	W	8.8
Tightening torque for terminals	AC-3	W	4.1
rightening torque for terminals	min	Nlm	6
	min	Nm Nm	6 7
	max min	lbin	<i>7</i> 4.4
	max	Ibin	5.2
Tightening torque for coil terminal	Пах	10111	U.L
righterning torque for contentinual	min	Nm	0.8
	max	Nm	1
	min	lbin	0.59
	max	Ibin	0.74
Conductor section	Шах		<b></b>
AWG/Kcmil			
	max		2/0
	111071		





### FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 140A, AC/DC COIL,

	Flexible w/o lug conductor section			
	•	min	mm²	1.5
		max	mm²	70
	Flexible c/w lug conductor section			
	Ç	min	mm²	1.5
		max	mm²	70
Power terminal protec	tion according to IEC/EN 60529			IP20 front
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
				Screw / DIN rail
Fixing				35mm
Weight			g	2460
Conductor section				
	AWG/kcmil conductor section			
	c,norm conductor docum	max		2/0
Auxiliary contact chara	cteristics	Than		
Thermal current Ith			Α	140
Operations			, , , , , , , , , , , , , , , , , , ,	
Mechanical life			cycles	15000000
Electrical life			cycles	1400000
AC coil operating			Cycles	1400000
Rated AC voltage at 5	0/60Hz 60Hz			
Nateu AC voltage at 3	0/00112, 00112	min	V	60
			V	110
AC aparating valtage		max	V	110
AC operating voltage	of FO/COLLE coil powered at FOLLE			
	of 50/60Hz coil powered at 50Hz			
	pick-up	min	0/110	00 Ha min
		min	%Us	80 Us min
	drop out	max	%Us	110 Us max
	drop-out		0/116	<70 He min
	-t 50/001	max	%Us	≤70 Us min
	of 50/60Hz coil powered at 60Hz			
	pick-up	•	0/11-	00.11
		min	%Us	80 Us min
	dan e e	max	%Us	110 Us max
	drop-out		0/11-	∠70 I.I.ai:
AO	ti	max	%Us	≤70 Us min
AC average coil consu	•			
	of 50/60Hz coil powered at 50Hz			70 475
		in-rush	VA	70175
	4-2/2011	holding	VA	1.73.5
	of 50/60Hz coil powered at 60Hz			70 475
		in-rush	VA	70175
	- (ADI)	holding	VA	1.73.5
	of 60Hz coil powered at 60Hz			70 /
		in-rush	VA	70175
		holding	VA	1.73.5
Dissipation at holding	≤20°C 50Hz		W	1.31,5
DC coil operating				
DC rated control voltage	ge			
		min	V	60
		max	V	110



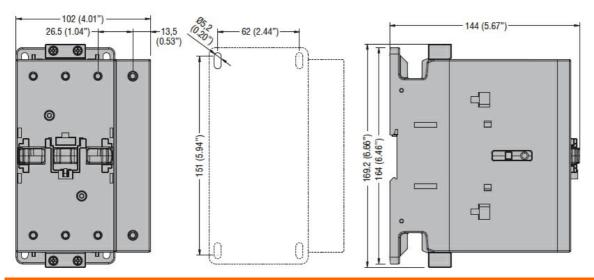


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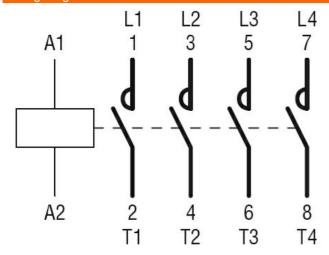
DC operating voltage					
DC operating voltage	pick-up				
	ριοίτ αρ		min	%Us	80 Us min
			max	%Us	110 Us max
	drop-out				
			max	%Us	≤70 Us min
Average coil consump	tion ≤20°C				
			in-rush	W	7080
			holding	W	1.31.5
Max cycles frequency				//	4500
Mechanical operation				cycles/h	1500
Operating times  Average time for Us co	ontrol				
Average lime for Os G	in AC				
	III AO	Closing NO			
		Sissing 140	min	ms	45
			max	ms	90
		Opening NO	max		
			min	ms	24
			max	ms	60
	in DC				
		Closing NO			
			min	ms	45
			max	ms	85
		Opening NO			
			min	ms	24
			max	ms	60
UL technical data					
General USE					
	Contactor			_	
<u></u>			AC current	Α	150
Short-circuit protection					
	High fault		01 - 4 - 2 - 2 - 2		100
			Short circuit current	kA	100
			Fuse rating	Α	200
	Standard fault		Fuse class		J
	Stanuaru fauit		Short circuit current	kA	10
			Fuse rating	A	250
			Fuse class	^	RK5
Ambient conditions			1 430 01433		
Temperature					
	Operating temperature	<b>)</b>			
	1		min	°C	-50
			max	°C	70
	Storage temperature				
	Q :		min	°C	-60
			max	°C	+80
Max altitude				m	3000
Dimensions					

**ENERGY AND AUTOMATION** 

#### FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 140A, AC/DC COIL,



#### Wiring diagrams



#### Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1

IEC/EN/BS 60947-1

IEC/EN/BS 60947-4-1

UL 60947-1

UL 60947-4-1

Certificates

CCC

cULus

EAC

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching