

ENERGY AND AUTOMATION

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 140A, AC COIL 60HZ, 48VAC



Product designation			Power contactor
Product type designation Contact characteristics			BF95
		Nle	1
Number of poles		Nr.	1000
Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp		kV	8
		KV	0
Operational frequency	min	⊔⊸	25
	min	Hz Hz	25 400
IEC Conventional free air thermal current Ith	max	<u>П</u> 2	140
Operational current le		A	140
Operational current le	AC 1 (<10°C)	۸	140
	AC-1 (≤40°C)	A	140 115
	AC-1 (≤55°C) AC-1 (≤70°C)	A	100
	AC-1 (≤70 C) AC-3 (≤440V ≤55°C)	A A	95
	AC-3 (\$440V \$55 C) AC-4 (400V)	A	95 45
Rated operational current AC-3 (T≤55°C)	AC-4 (400V)	A	45
Nated operational current AC-3 (1233 C)	230V	Α	95
	400V	A	95 95
	400 V 415 V	A	95 95
	440V	A	95 95
	500V	A	95 95
	690V	A	93
	1000V	A	33
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series	1000 V		
120 max current to in 201 with E/X = 1m3 with 1 poles in 30nes	≤24V	Α	140
	48V	A	140
	75V	A	100
	110V	Α	10
	220V	Α	_
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	2201		
120 max can six is in 201 mar 2/11 = mis mar 2 poise in conce	≤24V	Α	140
	48V	A	140
	75V	Α	140
	110V	Α	110
	220V	Α	12
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
	≤24V	Α	140
	48V	Α	140
	75V	Α	155
	110V	Α	120
	220V	Α	125
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
. , , , , , , , , , , , , , , , , , , ,	≤24V	Α	140
	48V	Α	140
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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			
	≤24V	Α	140
	48V	Α	44
	75V	Α	36
	110V	Α	6
	220V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	≤24V	Α	140
	48V	Α	63
	75V	Α	60
	110V	Α	55
·	220V	Α	7
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
	≤24V	Α	140
	48V	A	115
	75V	A	90
	110V	A	85
	220V	Α	76
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	-0.01		
	≤24V	A	140
	48V	A	110
	75V	A	110
	110V	A	105
Short-time allowable current for 10s (IEC/EN60947-1)	220V	A A	95 760
Protection fuse		A	700
Flotection fuse	gG (IEC)	Α	160
	aM (IEC)	A	100
Making capacity (RMS value)	aivi (ILO)		1200
Breaking capacity at voltage			1200
breaking capacity at voltage	440V	Α	1100
	500V	A	775
	690V	A	745
Resistance per pole (average value)	000 V	mΩ	0.45
Power dissipation per pole (average value)		11132	0.10
Tower dissipation per pero (average value)	Ith	W	8.8
	AC-3	W	4.1
Tightening torque for terminals			
	min	Nm	6
	max	Nm	7
	min	lbin	4.4
	max	Ibin	5.2
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	Ibin	0.59
	max	Ibin	0.74
Conductor section			
AWG/Kcmil			
	max		2/0





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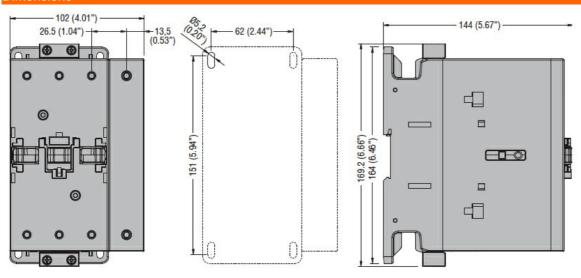
	Flexible w/o lug conduc	tor section			
	-		min	mm²	1.5
			max	mm²	70
	Flexible c/w lug conduct	tor section			
			min	mm²	1.5
			max	mm²	70
	ion according to IEC/EN	60529			IP20 front
Mechanical features					
Operating position					
			normal		Vertical plan
			allowable		±30°
Fixing					Screw / DIN rail
					35mm
Weight				g	2420
Conductor section					
	AWG/kcmil conductor s	ection			
			max		2/0
Auxiliary contact chara	cteristics				
Thermal current Ith				Α	140
Operations					4500000
Mechanical life				cycles	15000000
Electrical life				cycles	1400000
AC coil operating	N. I				4.0
Rated AC voltage at 60)Hz			V	48
AC operating voltage	(50/0011 "				
	of 50/60Hz coil powered				
		drop-out		0/11	
	-f 001 !		max	%Us	55
	of 60Hz coil powered at				
		pick-up	min	0/116	90
			min	%Us	80
		dran aut	max	%Us	110
		drop-out	min	%Us	20
			min	%Us %Us	20 55
AC average coil consu	motion at 20°C		max	7005	55
AC average con consu	•	+ CU∐-			
	of 60Hz coil powered at	UUUIZ	in-rush	VA	300
			holding	VA VA	20
Dissipation at holding :			Holding	W	6.5
Max cycles frequency	-20 O JUI IZ			V V	0.0
Mechanical operation				cycles/h	1500
Operating times				Cycles/11	1300
Average time for Us co	ontrol				
A Wordyo milio lor Os OC	in AC				
	шло	Closing NO			
		Closing 140	min	ms	16
			max	ms	32
		Opening NO	IIIdA	1113	J2
		-pog 110	min	ms	9
			max	ms	24
UL technical data			max	7115	
General USE					
Contra COL	0				



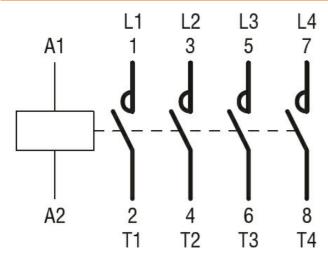
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		AC current	Α	150
Short-circuit protect	ion fuse, 600V			
·	High fault			
	-	Short circuit current	kA	100
		Fuse rating	Α	200
		Fuse class		J
	Standard fault			
		Short circuit current	kA	10
		Fuse rating	Α	250
		Fuse class		RK5
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	+80
Max altitude			m	3000
Dimensions				

Dimensions



Wiring diagrams



Certifications and compliance

Compliance



BF95T4A04860

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 140A, AC COIL 60HZ,

	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