

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 95A, AC COIL 60HZ, 48VAC



Product designation Power contactor Product type designation **BF95**

Product type designation			BF95
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		Α	140
Operational current le			
	AC-1 (≤40°C)	Α	140
	AC-1 (≤55°C)	Α	115
	AC-1 (≤70°C)	Α	100
	AC-3 (≤440V ≤55°C)	Α	95
	AC-4 (400V)	A	45
Rated operational power AC-3 (T≤55°C)			
	230V	kW	30
	400V	kW	55
	415V	kW	55
	440V	kW	55
	500V	kW	75
	690V	kW	90
D. I. J	1000V	kW	45
Rated operational current AC-3 (T≤55°C)	0001/	•	0.5
	230V	A	95
	400V	A	95
	415V	A	95
	440V	A	95
	500V	A	95
	690V	A	93 33
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series	1000V	Α	აა
TEO MAX current le in DOT with L/K > This with T poles in series	~2A\/	۸	140
	≤24V 48V	A A	140
	75V 110V	A A	100 10
	220V	A	10 _
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	2200		
ILO MAX current le ili DOT with L/N 3 THIS WITH 2 POIES III SEHES	≤24V	Α	140
	≤24V 48V	A	140
	75V	A	140
	110V	A	110
	220V	A	12
IEC may current le in DC1 with I /D < 1mc with 3 notes in series	220 V		14

IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series





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	≤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
	75V	A	155
	110V	Α	140
	220V	A	140
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series	2201	,,	
TEO THAN GUITCH TO IT DOO DOO WILL DIVE TO THE WILL I POICE IT SOLICE	≤24V	Α	140
	48V	A	44
	75V	A	36
	110V	A	6
IFO	220V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series	40.41.4		4.40
	≤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	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			
3	440V	Α	1100
	500V	A	775
	690V	A	745
Resistance per pole (average value)	000 7	mΩ	0.45
Power dissipation per pole (average value)		11122	J.70
i omoi dissipation poi poic (average value)	Ith	W	8.8
	AC-3	W	6.6 4.1
Tightoning targue for terminals	AU-3	VV	4.1
Tightening torque for terminals		N I.a.:	0
	min	Nm	6
	max	Nm	7
	min	lbin 	4.4
	max	Ibin	5.2



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Tightening torque for c	coil terminal			
		min	Nm	8.0
		max	Nm	1
		min	Ibin	0.59
		max	lbin	0.74
Conductor section				
	AWG/Kcmil			
		max		2/0
	Flexible w/o lug conductor section			
	. is made in a large conductor account.	min	mm²	1.5
		max	mm²	70
	Flexible c/w lug conductor section	тих		7.0
	rickible 6/W lag colladetor section	min	mm²	1.5
		max	mm²	70
Dower terminal protec	tion apparding to IFC/FN 60530	IIIdX	111111	IP20 front
	tion according to IEC/EN 60529			IP20 IIONI
Mechanical features				
Operating position		•		Madhala
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rai 35mm
Neight			g	2020
Auxiliary contact chara	acteristics			
Thermal current Ith			Α	140
Operations				
Mechanical life			cycles	15000000
Electrical life			cycles	1400000
Safety related data			0,0.00	1 100000
•	0d according to EN/ISO 13489-1			
orrormanco lovor 2 l	54 455514ig to 2141.55 15 155 1	rated load	cycles	1400000
		Tatoa loaa	•	
		mechanical load	cycles	15000000
AC coil operating		mechanical load	cycles	15000000
	0H7	mechanical load		
Rated AC voltage at 6	0Hz	mechanical load	cycles V	48
Rated AC voltage at 6		mechanical load		
AC coil operating Rated AC voltage at 6 AC operating voltage	of 50/60Hz coil powered at 50Hz	mechanical load		
Rated AC voltage at 6			V	48
Rated AC voltage at 6	of 50/60Hz coil powered at 50Hz drop-out	mechanical load		
Rated AC voltage at 6	of 50/60Hz coil powered at 50Hz drop-out of 60Hz coil powered at 60Hz		V	48
Rated AC voltage at 6	of 50/60Hz coil powered at 50Hz drop-out	max	V %Us	48 55
Rated AC voltage at 6	of 50/60Hz coil powered at 50Hz drop-out of 60Hz coil powered at 60Hz	max min	V %Us	485580
Rated AC voltage at 6	of 50/60Hz coil powered at 50Hz drop-out of 60Hz coil powered at 60Hz pick-up	max	V %Us	48 55
Rated AC voltage at 6	of 50/60Hz coil powered at 50Hz drop-out of 60Hz coil powered at 60Hz	max min	V %Us %Us %Us	48 55 80 110
Rated AC voltage at 6	of 50/60Hz coil powered at 50Hz drop-out of 60Hz coil powered at 60Hz pick-up	max min	V %Us %Us %Us %Us	48 55 80 110 20
Rated AC voltage at 6	of 50/60Hz coil powered at 50Hz drop-out of 60Hz coil powered at 60Hz pick-up	max min max	V %Us %Us %Us	48 55 80 110
Rated AC voltage at 6 AC operating voltage	of 50/60Hz coil powered at 50Hz drop-out of 60Hz coil powered at 60Hz pick-up drop-out	max min max min	V %Us %Us %Us %Us	48 55 80 110 20
Rated AC voltage at 6 AC operating voltage	of 50/60Hz coil powered at 50Hz drop-out of 60Hz coil powered at 60Hz pick-up drop-out	max min max min	V %Us %Us %Us %Us	48 55 80 110 20
Rated AC voltage at 6 AC operating voltage	of 50/60Hz coil powered at 50Hz drop-out of 60Hz coil powered at 60Hz pick-up drop-out	max min max min	V %Us %Us %Us %Us	48 55 80 110 20
Rated AC voltage at 6 AC operating voltage	of 50/60Hz coil powered at 50Hz drop-out of 60Hz coil powered at 60Hz pick-up drop-out	max min max min max	V %Us %Us %Us %Us %Us	48 55 80 110 20 55
Rated AC voltage at 6 AC operating voltage AC average coil consu	of 50/60Hz coil powered at 50Hz drop-out of 60Hz coil powered at 60Hz pick-up drop-out umption at 20°C of 60Hz coil powered at 60Hz	max min max min max	%Us %Us %Us %Us %Us VA	48 55 80 110 20 55 300 20
Rated AC voltage at 6 AC operating voltage AC average coil consu	of 50/60Hz coil powered at 50Hz drop-out of 60Hz coil powered at 60Hz pick-up drop-out umption at 20°C of 60Hz coil powered at 60Hz	max min max min max	V %Us %Us %Us %Us %Us	48 55 80 110 20 55
AC average coil consu	of 50/60Hz coil powered at 50Hz drop-out of 60Hz coil powered at 60Hz pick-up drop-out umption at 20°C of 60Hz coil powered at 60Hz	max min max min max	%Us %Us %Us %Us %Us VA VA VA	48 55 80 110 20 55 300 20 6.5
Rated AC voltage at 6 AC operating voltage AC average coil consu	of 50/60Hz coil powered at 50Hz drop-out of 60Hz coil powered at 60Hz pick-up drop-out umption at 20°C of 60Hz coil powered at 60Hz	max min max min max	%Us %Us %Us %Us %Us VA	48 55 80 110 20 55 300 20



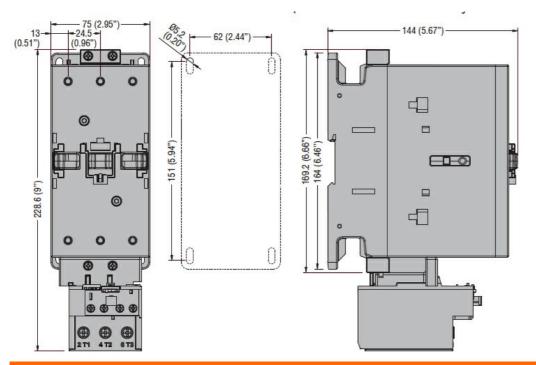


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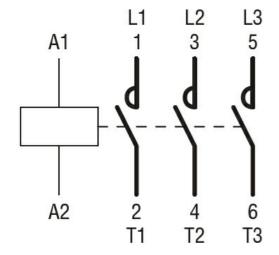
	in AC				
		Closing NO			
			min	ms	16
			max	ms	32
	(Opening NO			
			min	ms	9
			max	ms	24
UL technical data					
Rated operational volta				V	600
Yielded mechanical per					
	for three-phase AC moto	or			
			200/208V	HP	30
			220/230V	HP	30
			460/480V	HP	60
			575/600V	HP	75
General USE					
	Contactor				
			AC current	A	150
Short-circuit protection					
	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
A 12 4 124			Fuse class		RK5
Ambient conditions					
Temperature					
	Operating temperature			^ •	
			min	°C	-50
	0(max	°C	70
	Storage temperature		. •	۰.	00
			min	°C	-60
NA ICC - I			max	°C	+80
Max altitude				m	3000
Dimensions					

ENERGY AND AUTOMATION

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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

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching