

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 95A, AC COIL 60HZ, 220VAC



Product designation Power contactor Product type designation **BF95** Contact characteristics Nr. 3 Number of poles Rated insulation voltage Ui IEC/EN ٧ 1000 k۷ Rated impulse withstand voltage Uimp 8 Operational frequency Нъ 25 min Hz 400 max IEC Conventional free air thermal current Ith 140 Α 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) 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 1000V kW 45 Rated operational current AC-3 (T≤55°C) 230V Α 95 400V Α 95 415V Α 95 440V Α 95 500V 95 690V Α 93 1000V Α 33 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V Α 140 48V 140 Α 75V 100 Α 110V Α 10 220V IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V Α 140 48V 140 75V Α 140

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

110

12

Α

110V

220V





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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	Α	155
	110V	Α	140
150	220V	Α	140
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series	10.43.7		4.40
	≤24V	A	140
	48V	A	44
	75V	A	36
	110V	A	6
IFC may surrent to in DC2 DC5 with L/D < 15mg with 2 pales in series	220V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series	≤24V	۸	1.40
	≥24V 48V	A A	140 63
	46 V 75 V	A	60
	110V	A	55
	220V	A	7
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	220 V		<u>'</u>
TEO max current le in 600-600 with E/K = 15ms with 5 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			
	≤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			
	440V	Α	1100
	500V	Α	775
	690V	Α	745
Resistance per pole (average value)		mΩ	0.45
Power dissipation per pole (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	lbin	5.2



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Tightening torque for o	coil terminal			
		min	Nm	0.8
		max	Nm	1
		min	lbin	0.59
		max	lbin	0.74
Conductor section				
	AWG/Kcmil			
	7.17.6/1.6/1.	max		2/0
	Flexible w/o lug conductor section	Hux		2/0
	r lexible widing conductor section	min	mm²	1.5
	Elevible alvebra and destant and the	max	mm²	70
	Flexible c/w lug conductor section	•		4 =
		min	mm²	1.5
		max	mm²	70
	tion according to IEC/EN 60529			IP20 front
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Tiving				Screw / DIN rail
Fixing				35mm
Neight			g	2020
Conductor section				
	AWG/kcmil conductor section			
	7 TV S/North Conductor Cochon	max		2/0
Auxiliary contact chara	actoristics	Пах		2/0
Thermal current Ith	iciciidica		А	140
Operations				140
Mechanical life			ovoloo	15000000
			cycles	
Electrical life			cycles	1400000
AC coil operating				200
Rated AC voltage at 6	UHZ		V	220
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	drop-out			
		max	%Us	55
	of 60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out			
	1	min	%Us	20
		max	%Us	55
AC average coil consu	Imption at 20°C	max	,,,,,,	
to average con const	of 60Hz coil powered at 60Hz			
				300
	or our iz con powered at our iz		١/٨	300
	or our iz con powered at our iz	in-rush	VA	
		in-rush holding	VA	20
Max cycles frequency			VA W	20 6.5
Dissipation at holding Max cycles frequency Mechanical operation			VA	20 6.5
Max cycles frequency			VA W	20 6.5
Max cycles frequency Mechanical operation	≤20°C 50Hz		VA W	20 6.5

in AC



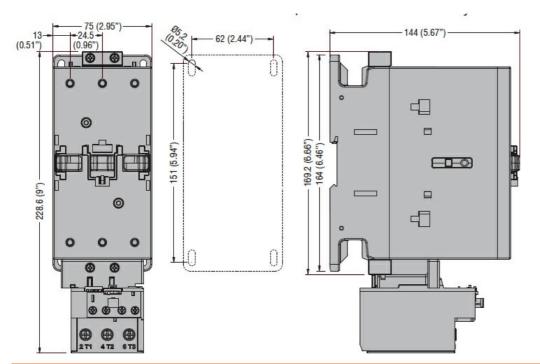


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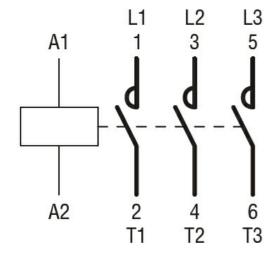
	Closing NO				
		min	ms	16	
		max	ms	32	
	Opening NO				
	1 0	min	ms	9	
		max	ms	24	
UL technical data					
Yielded mechanical performance					
•	for three-phase AC motor				
		200/208V	HP	30	
		220/230V	HP	30	
		460/480V	HP	60	
		575/600V	HP	75	
General USE		3.3,3331			
	Contactor				
	Contactor	AC current	Α	150	
Short-circuit protection	fuse 600V	7.0 04110111	,,		
Onort onoun proteotion	High fault				
	riigiriadit	Short circuit current	kA	100	
		Fuse rating	A	200	
		Fuse class	Α	J	
	Standard fault	1 430 01433			
	Startuaru rault	Short circuit current	kA	10	
		Fuse rating	A	250	
		Fuse class	^	RK5	
Ambient conditions		Fuse ciass		ININU	
Temperature					
remperature	Operating temperature				
	Operating temperature		°C	E0	
		min	°C	-50 -70	
	Chara wa ta way a rations	max	°C	70	
	Storage temperature		° C	00	
		min	°C	-60	
N. 105 1		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