

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 115A, AC COIL 60HZ, 220VAC



Product designation Power contactor Product type designation BF115

Rated insulation voltage Ui IEC/EN Xi Rated impulse withstand voltage Uimp Xi Xi Xi Xi Xi Xi Xi X	1000 7 8 2 25 2 400 160 130 115 115 54 V 37 V 55 V 55	0
Rated impulse withstand voltage Uimp k Operational frequency min max H IEC Conventional free air thermal current Ith AC-1 (≤40°C) A Operational current Ie AC-1 (≤55°C) A AC-1 (≤70°C) A AC-1 (≤70°C) A AC-3 (≤440V ≤55°C) A AC-4 (400V) A Rated operational power AC-3 (T≤55°C) 230V kV kV 440V kV A A 500V kV A A Rated operational current AC-3 (T≤55°C) 230V kV A Rated operational current AC-3 (T≤55°C) 230V A A 440V A	2 25 2 400 1 160 1 130 1 115 1 15 5 54 V 55 V 55	0
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Max H	2 400 160 160 130 115 115 54 V 37 V 55 V 55	
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440V kV 500V kV 690V kV 1000V	V 55	
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Rated operational current AC-3 (T≤55°C) 230V A 400V A 415V A 440V A 500V A		
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Rated operational current AC-3 (T≤55°C) 230V A 400V A 415V A 440V A 500V A		
230V A 400V A 415V A 440V A 500V A	v 55	
400V A 415V A 440V A 500V A	115	
415V A 440V A 500V A		
440V A 500V A		
500V A		
690V A		
1000V A		
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series		
≤24V A	160	
48V A		
75V A		
110V A		
220V A	<u> </u>	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series		
≤24V A	160	
48V A	160	
75V A		
110V A		
IEC may current le in DC1 with L/R < 1ms with 3 poles in series	. 14	

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



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	≤24V	Α	160
	48V	Α	160
	75V	Α	160
	110V	Α	140
	220V	Α	145
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
·	≤24V	Α	160
	48V	Α	160
	75V	Α	160
	110V	Α	160
	220V	Α	160
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	≤24V	Α	160
	48V	Α	50
	75V	Α	40
	110V	A	6
	220V	A	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series	220 V		
TEO MAX GAMERICIE III DOO-DOO WILLI E/IV = TOMB WILLI Z POIES III SELIES	≤24V	Α	160
	≥24V 48V	A	72
	75V	A	65
	110V		
		A	65
IFO was a summer to be DOO DOO with 1/D < 45 as with 0 males in a mine	220V	A	7
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	40.4V.4		100
	≤24V	Α	160
	48V	Α	150
	75V	Α	100
	110V	Α	100
	220V	Α	92
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
	≤24V	Α	160
	48V	Α	120
	75V	Α	120
	110V	Α	125
	220V	Α	115
Short-time allowable current for 10s (IEC/EN60947-1)		Α	920
Protection fuse			
	gG (IEC)	Α	200
	aM (IEC)	Α	125
Making capacity (RMS value)		Α	1500
Breaking capacity at voltage			
	440V	Α	1200
	500V	Α	850
	690V	Α	905
Resistance per pole (average value)		mΩ	0.45
Power dissipation per pole (average value)			
1 1 (**********************************	lth	W	11.5
	AC-3	W	6.0
Tightening torque for terminals		••	
gg torque for terrimidio	min	Nm	6
	max	Nm	7
	min	lbin	4.4
		lbin	5.2
	max	וווטו	J.Z



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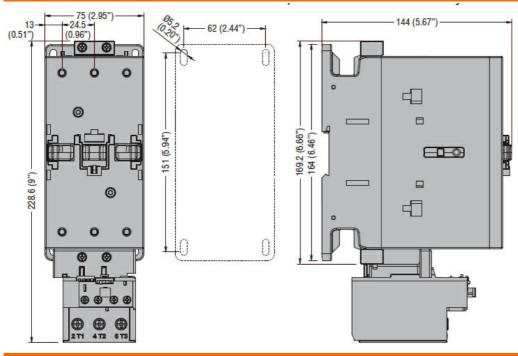
Tightening torque for o	coil terminal			
		min	Nm	0.8
		max	Nm	1
		min	lbin	0.59
		max	lbin	0.74
Conductor section				
Conductor Scotlon	AWG/Kcmil			
	AWG/Remii	may		2/0
	Florible/o lug conductor costice	max		2/0
	Flexible w/o lug conductor section			4 =
		min	mm²	1.5
	-	max	mm²	70
	Flexible c/w lug conductor section			
		min	mm²	1.5
		max	mm²	70
Power terminal protect	tion according to IEC/EN 60529			IP20 front
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
		3.10114010		Screw / DIN rail
Fixing				35mm
Weight			g	2020
Operations			9	2020
Mechanical life			ovoloo	1500000
			cycles	15000000
Electrical life			cycles	1200000
Safety related data				
Performance level B10	0d according to EN/ISO 13489-1			
		rated load	cycles	1200000
		mechanical load	cycles	15000000
AC coil operating				
Rated AC voltage at 6	0Hz		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			
	ριοκ αρ	min	%Us	80
		max	%Us	110
	draw acut	IIIdX	/ ₀ US	110
	drop-out	•	0/11-	20
		min	%Us	20
		max	%Us	55
AC average coil consu				
	of 60Hz coil powered at 60Hz			
		in-rush	VA	300
		holding	VA	20
Max cycles frequency				
Mechanical operation			cycles/h	1500
Operating times				
Average time for Us co	ontrol			
	in AC			
	Closing NO			
	Closing NO		ma	16
		min	ms	16
		max	ms	32

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Opening NO

	, 3	min	ms	9
		max	ms	24
UL technical data				
Rated operational volta	age AC (UL)		V	600
Yielded mechanical pe				
	for three-phase AC motor			
		200/208V	HP	40
		220/230V	HP	40
		460/480V	HP	75
		575/600V	HP	100
General USE				
	Contactor			
		AC current	Α	165
Short-circuit protection	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				

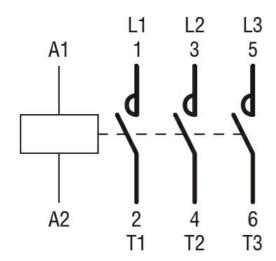
Dimensions



Wiring diagrams

ENERGY AND AUTOMATION

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 115A, AC COIL 60HZ,



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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