



Product designation			Power contactor
Product type designation			BF115
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		A	160
Operational current le			
	AC-1 (≤40°C)	А	160
	AC-1 (≤55°C)	А	130
	AC-1 (≤70°C)	А	115
	AC-3 (≤440V ≤55°C)	А	115
	AC-4 (400V)	A	54
Rated operational power AC-3 (T≤55°C)			
	230V	kW	37
	400V	kW	55
	415V	kW	55
	440V	kW	55
	500V	kW	75
	690V	kW	110
	1000V	kW	55
Rated operational current AC-3 (T≤55°C)			
	230V	А	115
	400V	А	115
	415V	А	115
	440V	А	115
	500V	А	106
	690V	А	106
	1000V	А	39
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
	≤24V	А	160
	48V	А	160
	75V	А	120
	110V	А	10
	220V	А	_
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
	≤24V	А	160
	48V	А	160
	75V	А	160
	110V	А	130
	220V	А	14

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

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	≤24V	А	160
	48V	А	160
	75V	А	160
	110V	А	140
	220V	А	145
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	≤24V	А	160
	48V	А	160
	75V	А	160
	110V	А	160
	220V	А	160
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 1 poles in series			
	≤24V	А	160
	48V	A	50
	75V	A	40
	110V	A	6
	220V	A	_
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 2 poles in series	220 V	~	
IEC max current le in DC3-DC3 with L/K = 15ms with 2 poles in series	≤24V	А	160
	48V	A	72
	40V 75V		
	110V	A	65 65
		A	65 7
	220V	A	7
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 3 poles in series	-0.01	•	100
	≤24V	A	160
	48V	A	150
	75V	A	100
	110V	A	100
	220V	A	92
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 4 poles in series			
	≤24V	A	160
	48V	A	120
	75V	A	120
	110V	A	125
	220V	A	115
Short-time allowable current for 10s (IEC/EN60947-1)		А	920
Protection fuse			
	gG (IEC)	А	200
	aM (IEC)	A	125
Making capacity (RMS value)		Α	1500
Breaking capacity at voltage			
	440V	А	1200
	500V	А	850
	690V	Α	905
Resistance per pole (average value)		mΩ	0.45
Power dissipation per pole (average value)			
	Ith	W	11.5
	AC-3	W	6.0
Tightening torque for terminals			
	min	Nm	6
	max	Nm	7
	min	lbin	4.4
	max	lbin	5.2

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BF11500E110 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 115A, AC/DC COIL, 60...110VAC/DC

Tightening torque for	coil terminal			
		min	Nm	0.8
		max	Nm	1
		min	lbin	0.59
		max	lbin	0.74
Conductor section				
	AWG/Kcmil			
		max		2/0
	Flexible w/o lug conductor section			
	5	min	mm²	1.5
		max	mm²	70
	Flexible c/w lug conductor section			
		min	mm²	1.5
		max	mm²	70
Power terminal protect	ction according to IEC/EN 60529			IP20 front
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
				Screw / DIN rail
Fixing				35mm
Weight			g	2060
Conductor section			9	
	AWG/kcmil conductor section			
		max		2/0
Operations		-		
Mechanical life			cycles	15000000
Electrical life			cycles	1200000
AC coil operating			,	
Rated AC voltage at 5	50/60Hz, 60Hz			
0		min	V	60
		max	V	110
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up			
	1	min	%Us	80
		max	%Us	110
	drop-out			
		max	%Us	≤70 Us min
	of 50/60Hz coil powered at 60Hz		-	
	pick-up			
	1 1	min	%Us	80 Us min
		max	%Us	110 Us max
	drop-out			
	·	max	%Us	≤70 Us min
AC average coil cons	umption at 20°C			
J	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	70175
		holding	VA	1.73.5
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	70175
		holding	VA	1.73.5
	of 60Hz coil powered at 60Hz	lioiding	., .	
		in-rush	VA	70175
		111031	V/ \	

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THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 115A, AC/DC COIL, 60...110VAC/DC

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	.0000 5011		holding	VA	1.73.5
Dissipation at holdin	g ≤20°C 50Hz			W	1.31,5
DC coil operating	1				
DC rated control vol	tage			V	<u> </u>
			min	V	60
	-		max	V	110
DC operating voltage					
	pick-up			0/11	0011
			min	%Us	80 Us min
			max	%Us	110 Us max
	drop-out				
			max	%Us	≤70 Us min
verage coil consun	nption ≤20°C				
			in-rush	W	7080
			holding	W	1.31.5
Max cycles frequenc					
Mechanical operation	n			cycles/h	1500
Operating times					
verage time for Us	control				
	in AC				
		Closing NO			
		-	min	ms	45
			max	ms	90
		Opening NO			
		- p	min	ms	24
			max	ms	60
JL technical data			Пах	inio	
rielded mechanical	norformonoo				
	Denormance				
		tor			
	for three-phase AC mot	tor	200/208\/	HP	40
		tor	200/208V 220/230V	HP HP	40 40
		tor	220/230V	HP	40
		tor	220/230V 460/480V	HP HP	40 75
		tor	220/230V	HP	40
	for three-phase AC mot	tor	220/230V 460/480V	HP HP	40 75
		tor	220/230V 460/480V 575/600V	HP HP HP	40 75 100
General USE	for three-phase AC mot	tor	220/230V 460/480V	HP HP	40 75
General USE	for three-phase AC mot Contactor on fuse, 600V	tor	220/230V 460/480V 575/600V	HP HP HP	40 75 100
General USE	for three-phase AC mot	tor	220/230V 460/480V 575/600V AC current	HP HP HP	40 75 100 165
General USE	for three-phase AC mot Contactor on fuse, 600V	tor	220/230V 460/480V 575/600V AC current	HP HP HP A	40 75 100 165
General USE	for three-phase AC mot Contactor on fuse, 600V	tor	220/230V 460/480V 575/600V AC current Short circuit current Fuse rating	HP HP HP	40 75 100 165 100 200
General USE	for three-phase AC mot Contactor on fuse, 600V High fault	tor	220/230V 460/480V 575/600V AC current	HP HP HP A	40 75 100 165
General USE	for three-phase AC mot Contactor on fuse, 600V	tor	220/230V 460/480V 575/600V AC current Short circuit current Fuse rating Fuse class	HP HP A A KA A	40 75 100 165 100 200 J
General USE	for three-phase AC mot Contactor on fuse, 600V High fault	tor	220/230V 460/480V 575/600V AC current Short circuit current Fuse rating Fuse class Short circuit current	HP HP A A kA A	40 75 100 165 100 200 J 10
General USE	for three-phase AC mot Contactor on fuse, 600V High fault	tor	220/230V 460/480V 575/600V AC current Short circuit current Fuse rating Fuse class Short circuit current Fuse rating	HP HP A A KA A	40 75 100 165 100 200 J 10 250
General USE Short-circuit protecti	for three-phase AC mot Contactor on fuse, 600V High fault	tor	220/230V 460/480V 575/600V AC current Short circuit current Fuse rating Fuse class Short circuit current	HP HP A A kA A	40 75 100 165 100 200 J 10
General USE Short-circuit protecti	for three-phase AC mot Contactor on fuse, 600V High fault	tor	220/230V 460/480V 575/600V AC current Short circuit current Fuse rating Fuse class Short circuit current Fuse rating	HP HP A A kA A	40 75 100 165 100 200 J 10 250
General USE Short-circuit protecti	for three-phase AC mot Contactor on fuse, 600V High fault	tor	220/230V 460/480V 575/600V AC current Short circuit current Fuse rating Fuse class Short circuit current Fuse rating	HP HP A A kA A	40 75 100 165 100 200 J 10 250
General USE Short-circuit protecti	for three-phase AC mot Contactor on fuse, 600V High fault	tor	220/230V 460/480V 575/600V AC current Short circuit current Fuse rating Fuse class Short circuit current Fuse rating	HP HP A A kA A	40 75 100 165 100 200 J 10 250
General USE Short-circuit protecti	for three-phase AC mot Contactor on fuse, 600V High fault Standard fault	tor	220/230V 460/480V 575/600V AC current Short circuit current Fuse rating Fuse class Short circuit current Fuse rating	HP HP A A kA A	40 75 100 165 100 200 J 10 250
General USE Short-circuit protecti	for three-phase AC mot Contactor on fuse, 600V High fault Standard fault	tor	220/230V 460/480V 575/600V AC current Short circuit current Fuse rating Fuse class Short circuit current Fuse rating Fuse class	HP HP A A kA A KA A	40 75 100 165 100 200 J 10 250 RK5
General USE Short-circuit protecti	for three-phase AC mot Contactor on fuse, 600V High fault Standard fault	tor	220/230V 460/480V 575/600V AC current Short circuit current Fuse rating Fuse class Short circuit current Fuse rating Fuse class min	HP HP A A kA A KA A	40 75 100 165 100 200 J 10 250 RK5 -50
General USE Short-circuit protecti	for three-phase AC mot Contactor on fuse, 600V High fault Standard fault	tor	220/230V 460/480V 575/600V AC current Fuse rating Fuse class Short circuit current Fuse rating Fuse class min max	HP HP A kA A kA A	40 75 100 165 100 200 J 10 250 RK5 -50 70
General USE Short-circuit protecti Ambient conditions Temperature	for three-phase AC mot Contactor on fuse, 600V High fault Standard fault	tor	220/230V 460/480V 575/600V AC current Short circuit current Fuse rating Fuse class Short circuit current Fuse rating Fuse class min	HP HP A A kA A KA A	40 75 100 165 100 200 J 10 250 RK5 -50

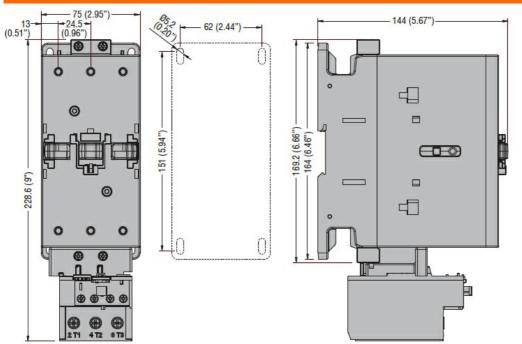
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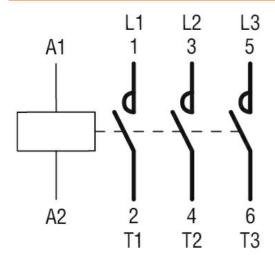


ENERGY AND AUTOMATION

## Dimensions



## Wiring diagrams



Certifications and cor	npliance	
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		
		EC000066 -
ETIM 8.0		Power contactor,
		AC switching