



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

BF11500E110



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

	≤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

BF11500E110



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/ \	

BF11500E110

E110 The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



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

BF11500E110

	.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

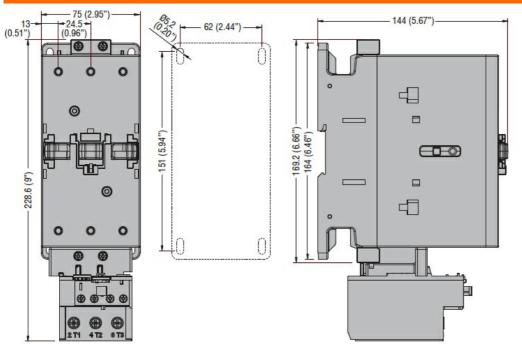
BF11500E110

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

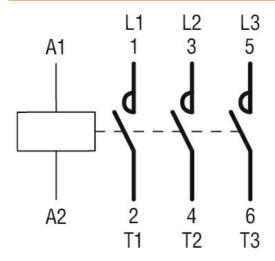


ENERGY AND AUTOMATION

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