



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)	A	160
	AC-1 (≤55°C)	А	130
	AC-1 (≤70°C)	А	115
	AC-3 (≤440V ≤55°C)	A	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	Α	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 $L/R \le 1$ ms with 2 poles in series			
	≤24V	А	160
	48V	А	160
	75V	А	160
	110V	А	130
	220V	Α	14

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



BF11500A57560 THREE-POLE CONTACTOR, IEC OPERATING

CURRENT IE (AC3) = 115A, AC COIL 60	HZ,
575\	/AC

	≤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	A	160
	75V	A	160
	110V	A	160
	220V	A	160
IEC max current le in DC3-DC5 with L/R ≤ 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 ≤ 15ms with 2 poles in series	220 V	~	_
TEC max current le in DC5-DC5 with E/K 3 15ms with 2 poles in series	≤24V	А	160
	48V	A	72
	48V 75V	A	
	110V	A	65 65
	220V	A	65 7
IFC may summant to in DC2 DC5 with 1/D < 15 may with 2 males in series	2200	A	1
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 3 poles in series	-0.01	•	400
	≤24V	A	160
	48V	A	150
	75V	A	100
	110V	A	100
	220V	A	92
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 4 poles in series	-0.0.4		400
	≤24V	A	160
	48V	A	120
	75V	A	120
	110V	A	125
	220V	<u>A</u>	115
Short-time allowable current for 10s (IEC/EN60947-1)		Α	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	А	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	Ibin	4.4
	max	lbin	5.2



BF11500A57560 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 115A, AC COIL 60HZ,

575VAC

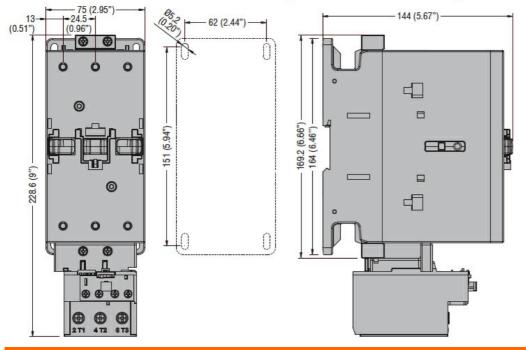
Tightening torque for	coil terminal			
		min	Nm	0.8
		max	Nm	1
		min	Ibin	0.59
		max	Ibin	0.74
Conductor section				
	AWG/Kcmil			
		max		2/0
	Flexible w/o lug conductor section			
		min	mm²	1.5
		max	mm²	70
	Flexible c/w lug conductor section	Пах		10
		min	mm²	1.5
		max	mm²	70
Power terminal prote	ction according to IEC/EN 60529	max	111111	IP20 front
Vechanical features				IF 20 11011
Operating position				
sperating position		normal		
		normal allowable		Vertical plan ±30°
		elidewolie		
Fixing				Screw / DIN rail 35mm
Noight			~	2020
Veight			g	2020
Conductor section				
	AWG/kcmil conductor section			a (a
.		max		2/0
Operations				
Mechanical life			cycles	15000000
Electrical life			cycles	1200000
AC coil operating				
Rated AC voltage at 6			V	575
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	drop-out			
		max	%Us	≤70 Us min
	of 60Hz coil powered at 60Hz	max	%Us	≤70 Us min
	of 60Hz coil powered at 60Hz pick-up	max	%Us	≤70 Us min
		maxmin	%Us %Us	≤70 Us min 80
		min	%Us	80
	pick-up	min	%Us	80
	pick-up	min max	%Us %Us	80 110
AC average coil cons	pick-up drop-out	min max min	%Us %Us %Us	80 110 20
AC average coil cons	pick-up drop-out sumption at 20°C	min max min	%Us %Us %Us	80 110 20
AC average coil cons	pick-up drop-out	min max min	%Us %Us %Us %Us	80 110 20 55
AC average coil cons	pick-up drop-out sumption at 20°C	min max min max in-rush	%Us %Us %Us %Us VA	80 110 20 55 300
	pick-up drop-out sumption at 20°C of 60Hz coil powered at 60Hz	min max min max	%Us %Us %Us %Us	80 110 20 55 300 20
Dissipation at holding	pick-up drop-out sumption at 20°C of 60Hz coil powered at 60Hz g≤20°C 50Hz	min max min max in-rush	%Us %Us %Us %Us VA VA	80 110 20 55 300
Dissipation at holding Max cycles frequency	pick-up drop-out sumption at 20°C of 60Hz coil powered at 60Hz g ≤20°C 50Hz	min max min max in-rush	%Us %Us %Us %Us VA VA VA W	80 110 20 55 300 20 1.31,5
Dissipation at holding Max cycles frequency Mechanical operation	pick-up drop-out sumption at 20°C of 60Hz coil powered at 60Hz g ≤20°C 50Hz	min max min max in-rush	%Us %Us %Us %Us VA VA	80 110 20 55 300 20 1.31,5
Dissipation at holding Max cycles frequency Mechanical operation Operating times	pick-up drop-out sumption at 20°C of 60Hz coil powered at 60Hz g ≤20°C 50Hz	min max min max in-rush	%Us %Us %Us %Us VA VA VA W	80 110 20 55 300 20 1.31,5
Dissipation at holding Max cycles frequency Mechanical operation Operating times	pick-up drop-out sumption at 20°C of 60Hz coil powered at 60Hz g ≤20°C 50Hz	min max min max in-rush	%Us %Us %Us %Us VA VA VA W	80 110 20 55 300 20 1.31,5
AC average coil cons Dissipation at holding Vax cycles frequency Vechanical operation Operating times Average time for Us o	pick-up drop-out sumption at 20°C of 60Hz coil powered at 60Hz g ≤20°C 50Hz //	min max min max in-rush	%Us %Us %Us %Us VA VA VA W	80 110 20 55 300 20 1.31,5
Dissipation at holding Max cycles frequency Mechanical operation Operating times	pick-up drop-out sumption at 20°C of 60Hz coil powered at 60Hz g ≤20°C 50Hz	min max min max in-rush	%Us %Us %Us %Us VA VA VA W	80 110 20 55 300 20 1.31,5

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THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 115A, AC COIL 60HZ, 575VAC

	Opening NO	max	ms	32
		min	ms	9
		max	ms	24
UL technical data				
Yielded mechanical pe	rformance			
	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	А	165
Short-circuit protection	fuse, 600V			
	High fault			
	Ĵ.	Short circuit current	kA	100
		Fuse rating	А	200
		Fuse class		J
	Standard fault			
		Short circuit current	kA	10
		Fuse rating	А	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				

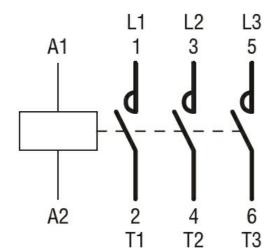


Wiring diagrams

BF11500A57560 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



BF11500A57560 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 115A, AC COIL 60HZ, 575VAC



Certifications and compliance

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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