# BFK11500A04860



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 75KVAR, COIL 48VAC 60HZ



Product designation			Power contactor
Product type designation			BFK115
Contact characteristics			
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		A	160
Rated operational power AC-6b (T≤40°C)			
	230V	kvar	45
	400V	kvar	75
	440480V	kvar	85
	690V	kvar	135
Short-time allowable current for 10s (IEC/EN60947-1)	0001	A	920
Protection fuse		7.	020
	gG (IEC)	А	160
Making capacity (RMS value)	g0 (i20)	A	1500
Breaking capacity at voltage		~	1000
Dreaking capacity at voltage	440V	А	1200
	440V 500V	A	850
	690V	A	905
Resistance per pole (average value)	090 V	mΩ	0.45
Power dissipation per pole (average value)		11152	0.40
Tower dissipation per pole (average value)	lth	W	11.5
Tightening torque for terminals	101	vv	11.0
rightening torque for terminals	min	Nm	6
	min		
	max	Nm Ibin	7
	min		4.4 5.2
Tightening torque for coil terminal	max	lbin	5.2
rightening torque for conterminar	min	Nimo	0.8
	min	Nm	
	max min	Nm Ibin	1 0.59
		Ibin	0.59
Max number of wires simultaneously connectable	max	Nr.	2
		INI.	2
Conductor section			
AWG/Kcmil			2/0
	max		2/0
Flexible w/o lug conductor section			4 5
	min	mm²	1.5
	max	mm²	70
Flexible c/w lug conductor section		2	

mm²

min

1.5



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mm<sup>2</sup>

max

70

IP20 front Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal Vertical plan ±30° allowable Screw / DIN rail Fixing 35mm Weight 2095 g Conductor section AWG/kcmil conductor section 2/0 max Operations Mechanical life 15000000 cycles Electrical life 1200000 cycles Safety related data Performance level B10d according to EN/ISO 13489-1 rated load cycles 400000 mechanical load 15000000 cycles EMC compatibility yes AC coil operating Rated AC voltage at 60Hz V 48 AC operating voltage of 60Hz coil powered at 60Hz pick-up %Us 80 min max %Us 110 drop-out %Us 20 min %Us 55 max Max cycles frequency Mechanical operation 1500 cycles/h Operating times Average time for Us control in AC **Closing NO** min ms 16 ms 32 max **Opening NO** 9 min ms 24 max ms UL technical data General USE Contactor 160 AC current А Ambient conditions Temperature Operating temperature °C -50 min °C max 70 Storage temperature °C -60 min °C 80 max Max altitude 3000 m

BFK11500A04860 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

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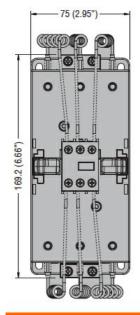
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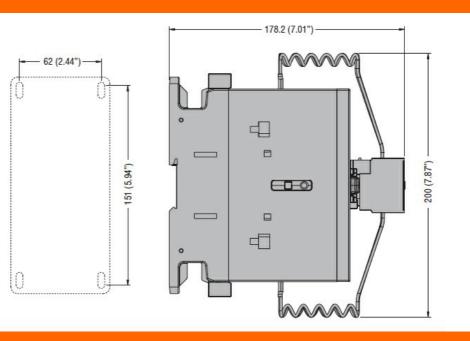


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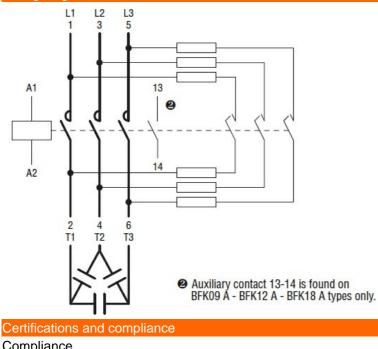
#### Resistance & Protection

### Pollution degree Dimensions





Wiring diagrams



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	

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ETIM 8.0

EC001079 -Capacitor contactor