BFK6500A12060



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 45KVAR, COIL 120VAC 60HZ



Product designation				Power contactor
Product type designation	ation			BFK65
Contact characteristi				
Number of poles			Nr.	3
Rated insulation volta	age Ui IEC/EN		V	690
Rated impulse withst			kV	8
Operational frequence				-
	·)	min	Hz	25
		max	Hz	400
IEC Conventional fre	e air thermal current Ith		A	100
	ower AC-6b (T≤40°C)			
rated operational pe		230V	kvar	26
		400V	kvar	45
		440480V	kvar	50
		690V	kvar	56
Short-time allowable	current for 10s (IEC/EN60947-1)	0001	A	640
Protection fuse			7	040
		gG (IEC)	А	100
Making capacity (RM	S value)	99 (ILC)	A	650
Breaking capacity at			~	000
Dieaking capacity at	voltage	440V	۸	520
		440V 500V	A	425
		500V 690V	A	425 376
Desistance per polo		0901	A mΩ	0.8
Resistance per pole			1112	0.8
Power dissipation pe	r pole (average value)	146	14/	0
Tinh tanàn amin'ny faritr'o dia mandri		Ith	W	8
Tightening torque for	terminais		N1	
		min	Nm	4
		max	Nm	5
		min	Ibin	2.95
		max	Ibin	3.69
Tightening torque for	coli terminal			<u>.</u>
		min	Nm	0.8
		max	Nm	1
		min	Ibin	0.8
		max	Ibin	0.74
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			_
		max		2
	Flexible w/o lug conductor section			
		min	mm²	1.5
		max	mm²	35
	Flexible c/w lug conductor section			
			mm2	1 5

mm²

min

1.5



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 45KVAR,

COIL 120VAC 60HZ

BFK6500A12060

	max	mm²	35
Power terminal protection according to IEC/EN 60529			IP20 front
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
Fixing			Screw / DIN rail 35mm
Weight		g	1090
Conductor section		-	
AWG/kcmil conductor section			
	max		2
Operations			
Mechanical life		cycles	15000000
Electrical life		cycles	400000
Safety related data			
Performance level B10d according to EN/ISO 13489-1			
	rated load	cycles	400000
	mechanical load	cycles	15000000
EMC compatibility			yes
AC coil operating			
Rated AC voltage at 60Hz		V	120
AC operating voltage			
of 60Hz coil powered at 60Hz			
pick-up			
	min	%Us	80
	max	%Us	110
drop-out			
	min	%Us	20
	max	%Us	55
AC average coil consumption at 20°C			
of 60Hz coil powered at 60Hz			
	in-rush	VA	210
	holding		15
Dissipation at holding ≤20°C 50Hz		W	5
Max cycles frequency			
Mechanical operation		cycles/h	3600
Operating times			
Average time for Us control			
in AC			
Closing NO			40
	min	ms	12
	max	ms	28
Opening NO			0
	min	ms	8
in DO	max	ms	22
in DC			
Closing NO	min	me	40
	min	ms	40 85
	max	ms	00
Opening NO			
Opening NO	min	me	20
Opening NO	min max	ms ms	20 55

BFK6500A12060 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

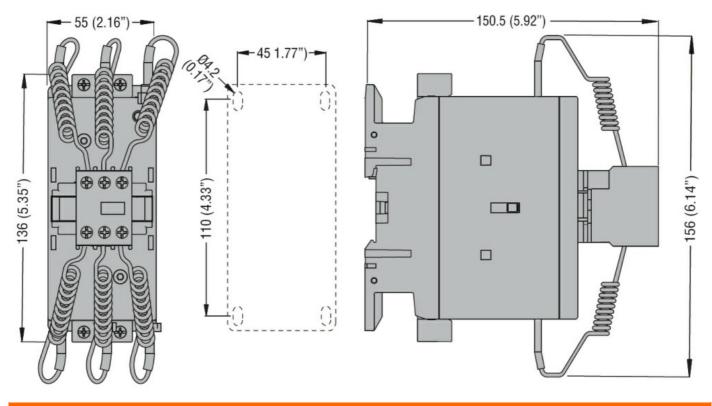
CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 45KVAR, COIL 120VAC 60HZ

BFK6500A12060

General USE

Dimensions

	Contactor			
		AC current	А	100
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Protect	ion			
Pollution degree				3

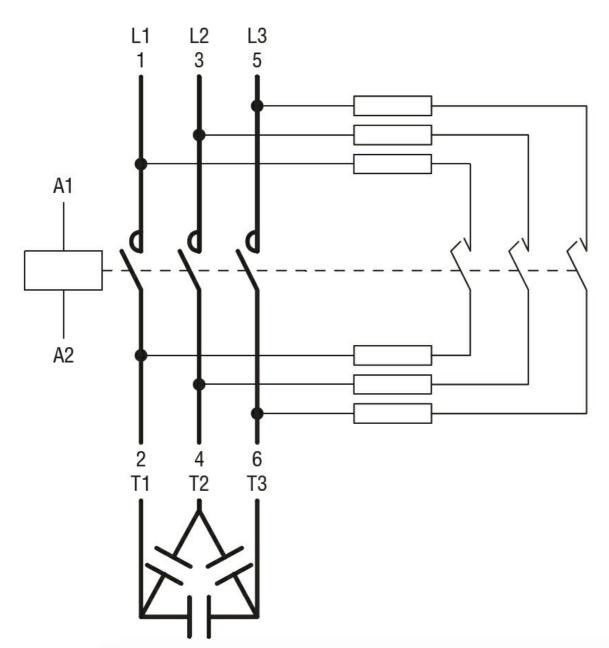


Wiring diagrams

BFK6500A12060



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 45KVAR, COIL 120VAC 60HZ



Certifications and compliance

Comp	liance
Comp	nance

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		EC001079 - Capacitor contactor