BFK6500A048



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 45KVAR, COIL 48VAC 50/60HZ



Product designation				Power contactor
Product type designat	ion			BFK65
Contact characteristic:	S			
Number of poles			Nr.	3
Rated insulation voltage	ge Ui IEC/EN		V	690
Rated impulse withsta	nd voltage Uimp		kV	8
Operational frequency	,			
		min	Hz	25
		max	Hz	400
IEC Conventional free	air thermal current Ith		А	100
Rated operational pov	ver AC-6b (T≤40°C)			
		230V	kvar	26
		400V	kvar	45
		440480V	kvar	50
		690V	kvar	56
Short-time allowable of	current for 10s (IEC/EN60947-1)		А	640
Protection fuse				
		gG (IEC)	А	100
Making capacity (RMS	value)	5-(-)	А	650
Breaking capacity at v				
		440V	А	520
		500V	A	425
		690V	A	376
Resistance per pole (a	average value)		mΩ	0.8
Power dissipation per	-			0.0
r onor alcolpation por		lth	W	8
Tightening torque for t	erminals			0
		min	Nm	4
		max	Nm	5
		min	Ibin	2.95
		max	Ibin	3.69
Tightening torque for a	coil terminal	Пах	10111	0.00
righterning torque for t		min	Nm	0.8
		max	Nm	1
		min	Ibin	0.8
		max	Ibin	0.74
Max number of wires	simultaneously connectable	Пах	Nr.	2
Conductor section				2
	AWG/Kcmil			
	AWORKIM	max		2
	Flexible w/o lug conductor section	Πάλ		<u> </u>
	richible w/o lug conductor section	min	mm²	1.5
		max	mm²	35
	Flexible c/w lug conductor section	IIIdX		00
	TICADIE OF IN THE CONTRACTOR SECTION	min	mm²	1.5
		11111	111111	1.0

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



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 45KVAR, COIL 48VAC 50/60HZ

BFK6500A048

		max	mm²	35
	ion according to IEC/EN 60529			IP20 front
Mechanical features				
Operating position				
		normal allowable		Vertical plan ±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 B10	0d according to EN/ISO 13489-1	rotod lood	ovolco	400000
		rated load mechanical load	cycles cycles	400000 15000000
EMC compatibility		mechanicarioau	Cycles	yes
AC coil operating				yes
Rated AC voltage at 50)/60Hz		V	48
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	55
	of 50/60Hz coil powered at 60Hz			
	pick-up	min	%Us	85
		max	%Us	110
	drop-out			
	•	min	%Us	20
		max	%Us	55
AC average coil consu	mption at 20°C			
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	210
	(50/0011 1)	holding	VA	15
	of 50/60Hz coil powered at 60Hz		1/4	105
		in-rush holding	VA VA	195 13
	of 60Hz coil powered at 60Hz	noiuing	٧A	10
		in-rush	VA	210
		holding	VA	15
Dissipation at holding s	≤20°C 50Hz		W	5
Max cycles frequency				
Mechanical operation			cycles/h	3600
Operating times				
Average time for Us co	ontrol			
	in AC			

Closing NO

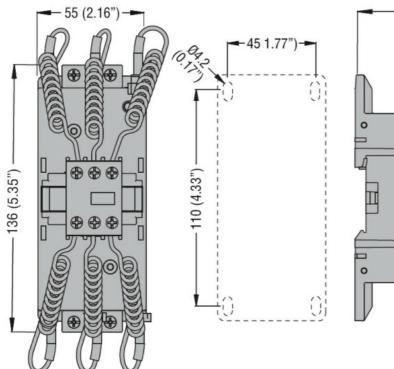
BFK6500A048

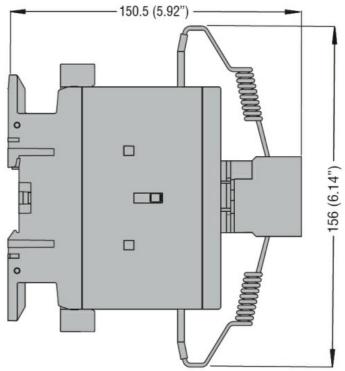


CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 45KVAR, COIL 48VAC 50/60HZ

			min	ms	12
			max	ms	28
		Opening NO			
		oponing ito	min	ms	8
			max	ms	22
	in DC		There		
	1100	Closing NO			
		5 5 5	min	ms	40
			max	ms	85
		Opening NO			
		1 5	min	ms	20
			max	ms	55
UL technical data					
General USE					
	Contactor				
			AC current	А	100
Ambient conditions					
Temperature					
	Operating temperatu	re			
			min	°C	-50
			max	°C	70
	Storage temperature				
	. .		min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protect	tion				
Pollution degree					3
Dimensione					

Dimensions





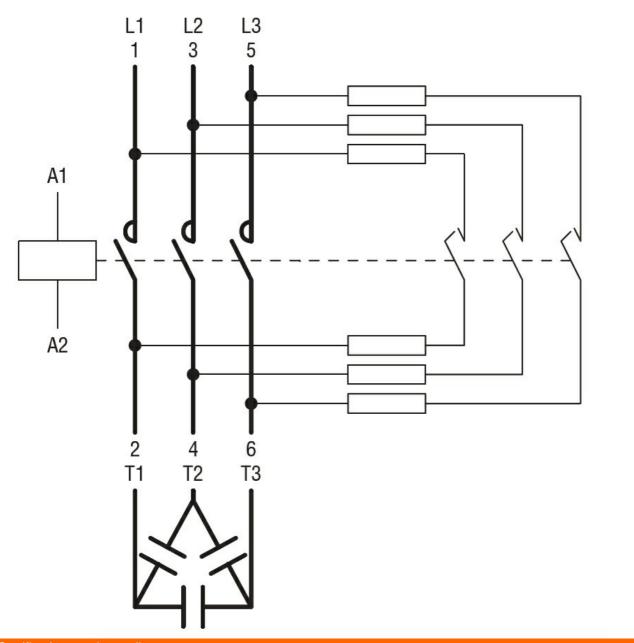
Wiring diagrams

BFK6500A048



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 45KVAR, COIL 48VAC 50/60HZ





Certifications and compliance

Compl	liance

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

BFK6500A048