

BFK1210A57560 CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, COIL 575VAC 60HZ



				1.2463
Product designation				Power contactor
Product type designat	ion			BFK12
Contact characteristic	S			
Number of poles			Nr.	3
Rated insulation voltage	ge Ui IEC/EN		V	690
Rated impulse withsta	nd voltage Uimp		kV	6
Operational frequency	/			
		min	Hz	25
		max	Hz	400
IEC Conventional free	air thermal current Ith		А	28
Rated operational pov	ver AC-6b (T≤40°C)			
		230V	kvar	7
		400V	kvar	12.5
		440480V	kvar	14
		690V	kvar	16
Short-time allowable of	current for 10s (IEC/EN60947-1)		А	150
Protection fuse				
		gG (IEC)	А	25
Making capacity (RMS	s value)		А	120
Breaking capacity at v	•			
	-	440V	А	96
		500V	А	96
		690V	А	94
Resistance per pole (a	average value)		mΩ	2.5
Power dissipation per				
		lth	W	2
Tightening torque for t	erminals			
		min	Nm	1.5
		max	Nm	1.8
		min	Ibin	1.1
		max	lbin	1.5
Tightening torque for o	coil terminal			
-		min	Nm	0.8
		max	Nm	1
		min	lbin	0.8
		max	lbin	0.74
Max number of wires	simultaneously connectable		Nr.	2
Conductor section	-			
	AWG/Kcmil			
		max		10
	Flexible w/o lug conductor section			
	č	min	mm²	1
		max	mm²	6
	Flexible c/w lug conductor section			
	-	min	mm²	1



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	max	mm²	4
Flexible with insulated spade lug conductor sect			
	min	mm²	1
	max	mm²	4 IP20 when
Power terminal protection according to IEC/EN 60529			properly wired
Mechanical features			
Operating position	normal		Vartical plan
	normal allowable		Vertical plan ±30°
	allowable		Screw / DIN rail
Fixing			35mm
Weight		g	428
Conductor section		-	
AWG/kcmil conductor section			
	max		10
Auxiliary contact characteristics			
Thermal current Ith		Α	10
IEC/EN 60947-5-1 designation			A600 - P600
Operating current AC15		-	
	230V	A	3
	400V	A	1.9
0	500V	A	1.4
Operating current DC12	1101	^	F 7
	110V	A	5.7
Operating current DC13	0414	^	F 7
	24V 48V	A A	5.7 2.9
	48V 60V	A	2.9
	110V	A	1.25
	125V	A	1.1
	220V	A	0.6
	600V	A	0.1
Operations			
Mechanical life		cycles	2000000
Electrical life		cycles	400000
Safety related data			
Performance level B10d according to EN/ISO 13489-1			
	rated load	cycles	400000
	mechanical load	cycles	2000000
Mirror contats according to IEC/EN 609474-4-1			YES
EMC compatibility			yes
AC coil operating			
Rated AC voltage at 60Hz		V	575
AC operating voltage			
of 60Hz coil powered at 60Hz			
pick-up		0/11-	80
	min	%Us %Us	80 110
dron-out	max	%Us	110
drop-out	min	%Us	20
	max	%Us	55
AC average coil consumption at 20°C	max	,	

AC average coil consumption at 20°C



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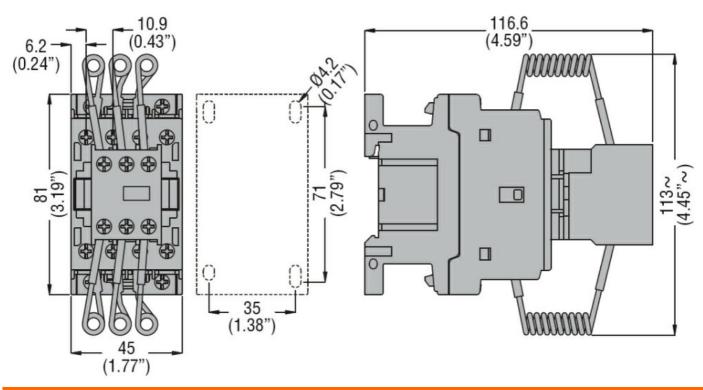
COIL 575VAC 60HZ

	of 60Hz coil powered at	t 60Hz			
	·		in-rush	VA	75
			holding	VA	9
Dissipation at holding ≤	≤20°C 50Hz			W	2.5
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us co	ontrol				
	in AC				
		Closing NO			
		-	min	ms	8
			max	ms	24
		Opening NO			
			min	ms	10
			max	ms	20
		Closing NC			
		5	min	ms	14
			max	ms	28
UL technical data					
General USE					
	Contactor				
			AC current	А	28
	Auxiliary contacts				
			AC voltage	V	600
			AC current	A	10
			DC voltage	V	250
			DC current	A	1
Contact rating of auxilia	ary contacts according to	UI	20000		A600 - P600
Ambient conditions					
Temperature					
1 Shipolatalo	Operating temperature				
			min	°C	-50
			max	°C	70
	Storage temperature		Παλ	0	10
	Storage temperature		min	°C	-60
			min	°C	80
Max altitude			max		3000
Resistance & Protectio	n			m	3000
					3
Pollution degree					J
Dimensions					

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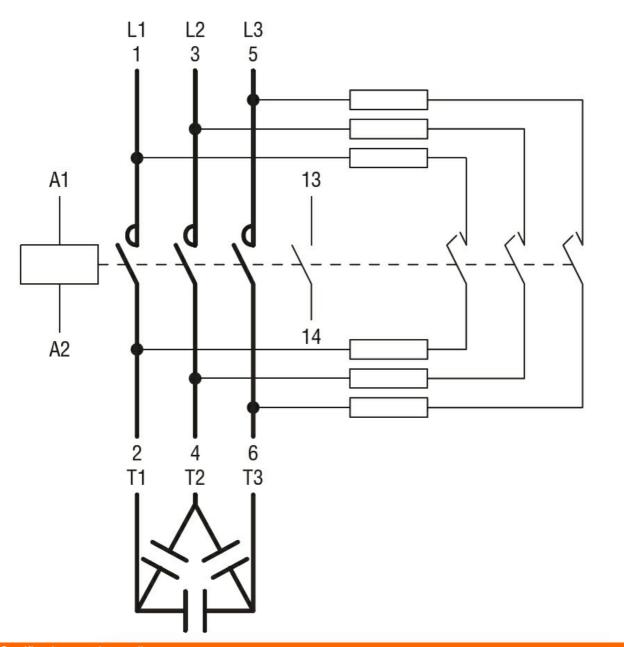
Wiring diagrams

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ENERGY AND AUTOMATION



Certifications and compliance

Com	pliance
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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	
	EAC	
ETIM classification		
		EC001079 -
ETIM 8.0		Capacitor