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CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, COIL 24VAC 50/60HZ



Product designation Product type designation			Power contactor BFK12
Contact characteristics			DITCLE
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Operational frequency			
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		А	28
Rated operational power AC-6b (T≤40°C)			
	230V	kvar	7
	400V	kvar	12.5
	440480V	kvar	14
	690V	kvar	16
Short-time allowable current for 10s (IEC/EN60947-1)		A	150
Protection fuse			
	gG (IEC)	A	25
Making capacity (RMS value)		А	120
Breaking capacity at voltage	4.401/	•	0.0
	440V	A	96
	500V 690V	A A	96 94
Resistance per pole (average value)	090 V	mΩ	2.5
Power dissipation per pole (average value)		11152	2.0
rower dissipation per pole (average value)	Ith	W	2
Tightening torque for terminals	101	vv	2
	min	Nm	1.5
	max	Nm	1.8
	min	Ibin	1.1
	max	Ibin	1.5
Tightening torque for 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			
	min	mm²	1
	max	mm²	6
Flexible c/w lug conductor section			
	min	mm²	1

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BFK1210A024 CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR,

COIL 24VAC 50/60HZ

		max	mm²	4
	Flexible with insulated spade lug conductor sec			
		min	mm²	1
		max	mm²	4
· · · · ·	tion according to IEC/EN 60529			IP20 when properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail
Weight			0	35mm 418
Conductor section			g	410
	AWG/kcmil conductor section			
	Awg/kernii conductor section	max		10
Auxiliary contact chara	cteristics			
Thermal current Ith			А	10
EC/EN 60947-5-1 des	signation			A600 - P600
Operating current AC1	-			
		230V	А	3
		400V	А	1.9
		500V	А	1.4
Operating current DC1	2			
		110V	А	5.7
Operating current DC1	3			
		24V	А	5.7
		48V	А	2.9
		60V	А	2.3
		110V	Α	1.25
		125V	Α	1.1
		220V	А	0.6
		600V	А	0.1
Operations				
Mechanical life			cycles	2000000
Electrical life			cycles	400000
Safety related data				
Performance level B10	0d according to EN/ISO 13489-1			10000
		rated load	cycles	400000
A		mechanical load	cycles	2000000
	ng to IEC/EN 609474-4-1			YES
EMC compatibility				yes
AC coil operating Rated AC voltage at 5			V	24
AC operating voltage	0/00112		v	24
	of 50/60Hz coil powered at 50Hz			
	pick-up			
	ρισκ-αρ	min	%Us	80
		max	%Us	110
	drop-out	Παλ	/000	
		min	%Us	20
		max	%Us	55
	of 50/60Hz coil powered at 60Hz			
	pick-up			
	I 1			

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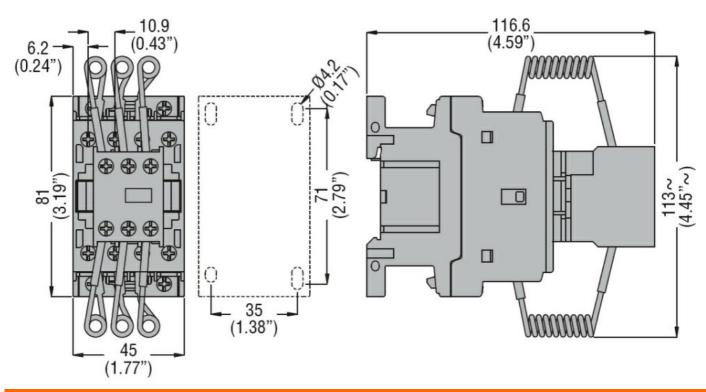


CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, Electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, AND AUTOMATION COIL 24VAC 50/60HZ

		min	%Us	85
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	55
AC average coil cons	umption at 20°C	Пах	/000	00
AC average coll colls	•			
	of 50/60Hz coil powered at 50Hz		\ / A	75
		in-rush	VA	75
		holding	VA	9
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	70
		holding	VA	6.5
	of 60Hz coil powered at 60Hz			
		in-rush	VA	75
		holding	VA	9
Dissipation at holding	≤20°C 50Hz	9	W	2.5
Max cycles frequency				
Mechanical operation			cycles/h	3600
Operating times			5,000/11	
	control			
Average time for Us of				
	in AC			
	Closing NO			
		min	ms	8
		max	ms	24
	Opening NO			
		min	ms	10
		max	ms	20
	Closing NC			
	Ŭ	min	ms	14
		max	ms	28
UL technical data			-	-
General USE				
	Contactor			
	Contactor		۸	00
	A will an exact a sta	AC current	A	28
	Auxiliary contacts		.,	
		AC voltage	V	600
		AC current	А	10
		DC voltage	V	250
		DC current	А	1
	liary contacts according to UL			A600 - P600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature	IIIdA	<u> </u>	
	olorage lemperature		°C	60
		min	°C °°	-60
R.A. 1015		max	°C	80
Max altitude			m	3000
Resistance & Protect	ion			
Pollution degree				3
Dimensions [mm (in)]				



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, Electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, AND AUTOMATION COIL 24VAC 50/60HZ

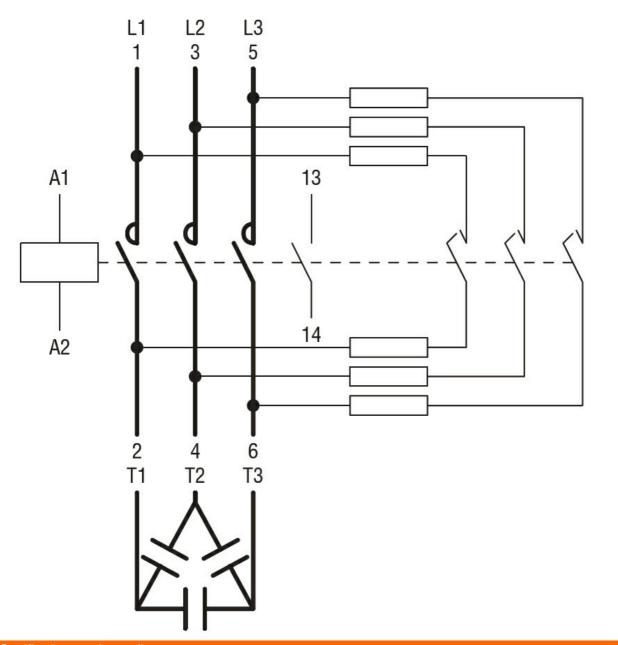


Wiring diagrams



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, COIL 24VAC 50/60HZ

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Certifications and compliance

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ompliance		
	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	
ertificates		
	CCC	
	cULus	
	EAC	
TIM classification		
		EC001079 -
TIM 8.0		Capacitor

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contactor

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CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, COIL 48VAC 50/60HZ



BFK1210A048

Product designation Power contacto BFK12 Product type designation BFK12 Number of poles Nr. Rated inpulse withstand voltage UI EC/EN V 600 600 Rated inpulse withstand voltage UI EC/EN V 6 600 Operational frequency min Hz 25 max Hz 400 IEC Conventional free air thermal current Ith A 28 Rated operational power AC-6b (Ts40°C) 230V kvar 7 4400480V kvar 14 690V kvar 14 690V kvar 16 Short-time allowable current for 10s (IEC/EN60947-1) A 150 Protection fuse gG (IEC) A 25 Making capacity (RMS value) A 120 Breaking capacity at voltage 440V A 96 690V A 96 500V A 96 690V A 96 500V A 96 Power dissipation per pole (average value) min Nm 1.5 Tightening torque for coil terminal min Nm 1.5 max tbin 0.5 74 Max num					1.3492
Product type designation BFK12 Contact characteristics	Product designation				Power contactor
Number of poles Nr. 3 Rated insulation voltage Ui IEC/EN V 690 Rated insulation voltage Uimp kV 6 Operational frequency min Hz 25 max HZ 400 1 IEC Conventional free air thermal current Ith A 28 Rated operational power AC-6b (T≤40°C) 230V kvar 7 400V kvar 12.5 440480V kvar 14 690V kvar 16 150 12.5 Attor and the allowable current for 10s (IEC/EN60947-1) A 150 150 Protection fuse gG (IEC) A 120 Breaking capacity (RMS value) A 120 120 Breaking capacity at voltage 440V A 96 690V A 96 500V A 96 690V A 96 690V A 92 11 Togetaring capacity at voltage mn 1.5 max 1.5 <td< td=""><td></td><td>tion</td><td></td><td></td><td></td></td<>		tion			
Rated insulation voltage Ui IEC/EN V 690 Rated impulse withstand voltage Uimp kV 6 Operational frequency min Hz 25 max Hz 400 A 28 IEC Conventional free air thermal current lth A 28 A 28 Rated operational power AC-6b (T≤40°C) 230V kvar 7 440480V kvar 14 690V kvar 14 690V kvar 14 690V kvar 14 690V kvar 14 690V kvar 16 5 440480V kvar 16 Protection fuse gG (IEC) A 150 P 25 Making capacity (RMS value) A 120 B B 500V A 96 500V A 96 500V A 94 25 P Power dissipation per pole (average value) mΩ 1.5 T T T T T T T T	Contact characteristic	S			
Rated impulse withstand voltage Uimp kV 6 Operational frequency min Hz 25 max HZ 400 IEC Conventional free air thermal current lth A 28 Rated operational power AC-6b (T≤40°C) 230V kvar 7 400V kvar 7 400V kvar 12.5 440480V kvar 14 690V kvar 16 Short-time allowable current for 10s (IEC/EN60947-1) A 150 Protection fuse gG (IEC) A 25 Making capacity (RMS value) G A 25 A 20 Breaking capacity at voltage 440V A 96 500V A 94 S00V A 94 S00V A 94 S00V A 94 S0V A S0V A	Number of poles			Nr.	3
Operational frequency min max Hz 25 max IEC Conventional free air thermal current lth A 28 Rated operational power AC-6b (T540°C) 230V kvar 7 400V kvar 12.5 440480V kvar 14 690V kvar 14 690V kvar 14 690V kvar 14 690V kvar 14 90V kvar 14 690V kvar 14 690V kvar 14 690V kvar 14 90V kvar 14 690V kvar 14 90V kvar 14 690V kvar 14 90V kvar 14 6 690V A 120 Breaking capacity at voltage max Ma 120 6 6 6 2.5 7 Power dissipation per pole (average value) min Min 1.5 7 7 1.1 7 1.1	Rated insulation voltage	ge Ui IEC/EN		V	690
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Rated impulse withsta	ind voltage Uimp		kV	6
max Hz 400 IEC Conventional free air thermal current lth A 28 Rated operational power AC-6b (Ts40°C) 230V kvar 7 4000V kvar 7 400V kvar 14 690V kvar 14 690V kvar 16 Short-time allowable current for 10s (IEC/EN60947-1) A 150 150 Protection fuse gG (IEC) A 25 Making capacity (RMS value) A 120 16 Breaking capacity at voltage 440V A 96 690V A 94 94 94 Resistance per pole (average value) mC 2.5 90 Power dissipation per pole (average value) mC 2.5 90 Tightening torque for coil terminals min Nm 1.5 Tightening torque for coil terminal min Nm 1.5 Tightening torque for coil terminal min Nm 1.6 Max number of wires simultaneously connectable Nr.	Operational frequency	/			
IEC Conventional free air thermal current Ith A 28 Rated operational power AC-6b (T540°C) 230V kvar 7 400V kvar 12.5 440480V kvar 14 690V kvar 16 5 5 5 440480V kvar 16 Short-time allowable current for 10s (IEC/EN60947-1) A 150 7 4 6 5 Protection fuse gG (IEC) A 120 8 8 6 5 6 6 6 9 4 9 6 5 5 6 6 9 4 8 6 6 0 0 0 1			min	Hz	25
Rated operational power AC-6b (T≤40°C) 230V kvar 7 400V kvar 12.5 440480V kvar 16 Short-time allowable current for 10s (IEC/EN60947-1) A 150 Protection fuse gG (IEC) A 25 Making capacity (RMS value) A 120 Breaking capacity at voltage 440V A 96 Soot A 96 500V A 96 Power dissipation per pole (average value) mΩ 2.5 Power dissipation per pole (average value) mM 1.5 Tightening torque for terminals min Nm 1.5 max Nm 1.8 Tightening torque for coil terminal min Nm 1.5 max Nm 1.8 Max number of wires simultaneously connectable Nr. 2 2 2 Conductor section Max 10 10 10 1 max max 10 1 Flexible c/w lug conductor section min min max mm² 1 1 1 1 1 <td< td=""><td></td><td></td><td>max</td><td>Hz</td><td>400</td></td<>			max	Hz	400
$\begin{array}{c cccc} & & & & & & & & & & & & & & & & & $	IEC Conventional free	air thermal current Ith		А	28
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Rated operational pov	ver AC-6b (T≤40°C)			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			230V	kvar	7
690V kvar 16 Short-time allowable current for 10s (IEC/EN60947-1) A 150 Protection fuse gG (IEC) A 25 Making capacity (RMS value) A 120 Breaking capacity (RMS value) A 96 500V A 96 600V A 96 600V A 94 Resistance per pole (average value) mΩ 2.5 Power dissipation per pole (average value) min Nm 1.5 Tightening torque for terminals min Nm 1.5 Tightening torque for coil terminal min Nm 1.5 Tightening torque for coil terminal min Nm 1.8 min Ibin 1.5 max Nm Tightening torque for coil terminal min Nm 0.8 max Nm 1 min 10 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 10			400V	kvar	12.5
Short-time allowable current for 10s (IEC/EN60947-1) A 150 Protection fuse gG (IEC) A 25 Making capacity (RMS value) A 120 Breaking capacity at voltage 440V A 96 500V A 96 500V A 96 690V A 94 8 8 94 8 Resistance per pole (average value) mΩ 2.5 9 9 10 1.5 10 1.5 10 1.5 10 1.5 10 1.5 11 1.5 11 1.5 11 1.5 11 1.5 16 10 1.5 15 16 10 1.5 10 1.5 15 16 10 </td <td></td> <td></td> <td>440480V</td> <td>kvar</td> <td>14</td>			440480V	kvar	14
Protection fuse gG (IEC) A 25 Making capacity (RMS value) A 120 Breaking capacity at voltage 440V A 96 S00V A 96 690V A 94 Resistance per pole (average value) mΩ 2.5 Power dissipation per pole (average value) Tightening torque for terminals min Nm 1.5 Tightening torque for coil terminal min Nm 1.5 Tightening torque for coil terminal min Nm 1.5 Tightening torque for coil terminal min Nm 0.8 Max number of wires simultaneously connectable Nr. 2 Conductor section Max 10 10 Flexible w/o lug conductor section min mm² 1 Max max mm² 1 max mm² 1			690V	kvar	16
gG (IEC) A 25 Making capacity (RMS value) A 120 Breaking capacity at voltage 440V A 96 500V A 96 500V A 94 Resistance per pole (average value) mΩ 2.5 Power dissipation per pole (average value) mΩ 2.5 Power dissipation per pole (average value) mÍn W 2 Tightening torque for terminals 1.5 Tightening torque for coil terminals min Nm 1.5 max Nm 1.8 Tightening torque for coil terminal min Nm 1.5 1.5 1.5 Tightening torque for coil terminal min Nm 1.8 min 1.6 Max number of wires simultaneously connectable Nr 2 Conductor section Nr 2 Conductor section Max Nm 1 min 0.74 Max number of wires simultaneously connectable Nr 2 Conductor section Nr 2 Conductor section max	Short-time allowable of	current for 10s (IEC/EN60947-1)		А	150
Making capacity (RMS value) A 120 Breaking capacity at voltage 440V A 96 Breaking capacity at voltage 440V A 96 Breaking capacity at voltage 690V A 94 Resistance per pole (average value) mΩ 2.5 Power dissipation per pole (average value) Ith W 2 Tightening torque for terminals min Nm 1.5 Tightening torque for coil terminal min Ibin 1.1 max Nm 1.5 min Ibin 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Max number of wires simultaneously connectable Nr. 2 Conductor section 2 Conductor section AWG/Kcmil min max 10 10 10 10 10 10 10 10	Protection fuse				
Making capacity (RMS value) A 120 Breaking capacity at voltage 440V A 96 Breaking capacity at voltage 440V A 96 Breaking capacity at voltage 690V A 94 Resistance per pole (average value) mΩ 2.5 Power dissipation per pole (average value) Ith W 2 Tightening torque for terminals min Nm 1.5 Tightening torque for coil terminal min Ibin 1.1 max Nm 1.5 min Ibin 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Max number of wires simultaneously connectable Nr. 2 Conductor section 2 Conductor section AWG/Kcmil min max 10 10 10 10 10 10 10 10			gG (IEC)	А	25
$\begin{array}{c} 440 \vee & A & 96 \\ 500 \vee & A & 96 \\ 690 \vee & A & 94 \\ \hline \end{array}$ Resistance per pole (average value) $& \qquad $	Making capacity (RMS	Svalue)		А	120
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Breaking capacity at v	oltage			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			440V	А	96
Resistance per pole (average value) mΩ 2.5 Power dissipation per pole (average value) Ith W 2 Tightening torque for terminals min Nm 1.5 max Nm 1.8 min Ibin 1.1 max Ibin 1.1 max Ibin 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Max number of wires simultaneously connectable Nr. 2 Conductor section Nr. 2 Max number of wires simultaneously connectable Nr. 2 Conductor section Nr. 2 Flexible w/o lug conductor section max 10 10 10 10 Flexible c/w lug conductor section min mm² 1 max 10			500V	А	96
Power dissipation per pole (average value) Ith W 2 Tightening torque for terminals min Nm 1.5 min Ibin 1.1 max Ibin 1.1 min Ibin 1.5 Tightening torque for coil terminal min Nm 0.8 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Max number of wires simultaneously connectable Nr. 2 Conductor section Nr. 2 Conductor section AWG/Kcmil max 10 10 10 Flexible w/o lug conductor section min min mm² 1 max min mm² 1 max 10			690V	А	94
Ith W 2 Tightening torque for terminals min Nm 1.5 max Nm 1.8 min 1bin 1.1 max Ibin 1.5 1.5 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Max number of wires simultaneously connectable Nr. 2 2 2 Conductor section Max 10 10 10 Flexible w/o lug conductor section min mm² 1 max mm² 1 1 1 Flexible c/w lug conductor section min mm² 1	Resistance per pole (a	average value)		mΩ	2.5
Tightening torque for terminals min Nm 1.5 max Nm 1.8 min Ibin 1.1 max Ibin 1.5 1.5 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Max number of wires simultaneously connectable Nr. 2 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section MWG/Kcmil max 10 Flexible w/o lug conductor section min mm² 1 Max min mm² 1 Flexible c/w lug conductor section min mm² 1	Power dissipation per	pole (average value)			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			Ith	W	2
max Nm 1.8 min Ibin 1.1 max Ibin 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibin 0.8 max Ibin 0.8 max Ibin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section Max 10 Flexible w/o lug conductor section min mm² 1 max mm² 1 1 Flexible c/w lug conductor section min mm² 1 Flexible c/w lug conductor section min mm² 1	Tightening torque for t	terminals			
min Ibin 1.1 max Ibin 1.5 Tightening torque for coll terminal min Nm 0.8 max Nm 1 min Ibin 0.8 max Ibin 0.8 max Ibin 0.8 max Ibin 0.8 max Ibin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section Nr. 2 AWG/Kcmil max 10 Flexible w/o lug conductor section min mm² max mm² 1 max mm² 1 max mm² 6			min	Nm	1.5
max lbin 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min lbin 0.8 max lbin 0.8 max lbin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section Nr. 2 AWG/Kcmil max 10 Flexible w/o lug conductor section min mm² max mm² 1 Flexible c/w lug conductor section min mm²			max	Nm	1.8
Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibin 0.8 max Ibin 0.8 max Ibin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section min mm² 1 Flexible c/w lug conductor section min mm² 1			min	lbin	1.1
min Nm 0.8 max Nm 1 min Ibin 0.8 max Ibin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil Flexible w/o lug conductor section min mm ² 1 max mm ² 6			max	lbin	1.5
max Nm 1 min lbin 0.8 max lbin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section Nr. 2 AWG/Kcmil max 10 Flexible w/o lug conductor section min mm² min mm² 1 Flexible c/w lug conductor section min mm² Flexible c/w lug conductor section min mm²	Tightening torque for o	coil terminal			
min Ibin 0.8 max Ibin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section min mm² 1 Max max mm² 6 Flexible c/w lug conductor section Flexible c/w lug conductor section max mm²			min	Nm	0.8
max Ibin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section min mm² 1 Max max 10 1 1 Flexible c/w lug conductor section max mm² 6			max	Nm	1
Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section min mm² 1 Max mm² 6 6 6			min	lbin	0.8
Conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section min mm² 1 max mm² 6 Flexible c/w lug conductor section Flexible c/w lug conductor section min mm² 6			max	lbin	0.74
AWG/Kcmil max 10 Flexible w/o lug conductor section min mm ² 1 max mm ² 6 Flexible c/w lug conductor section	Max number of wires	simultaneously connectable		Nr.	2
max 10 Flexible w/o lug conductor section min mm² 1 max mm² 6 Flexible c/w lug conductor section	Conductor section				
Flexible w/o lug conductor section min mm ² 1 max mm ² 6 Flexible c/w lug conductor section		AWG/Kcmil			
min mm ² 1 max mm ² 6 Flexible c/w lug conductor section			max		10
max mm ² 6 Flexible c/w lug conductor section		Flexible w/o lug conductor section			
Flexible c/w lug conductor section			min	mm²	1
•			max	mm²	6
		Flexible c/w lug conductor section			
min mm² 1			min	mm²	1

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BFK1210A048 CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR,

COIL 48VAC 50/60HZ

	max	mm²	4
Flexible with insulated spade lug conductor sec	tion		
	min	mm²	1
	max	mm²	4
Power terminal protection according to IEC/EN 60529			IP20 when
· · · ·			properly wired
Mechanical features			
Operating position	normal		Vartical plan
	allowable		Vertical plan ±30°
	allowable		Screw / DIN rai
Fixing			35mm
Weight		g	416
Conductor section		0	
AWG/kcmil conductor section			
	max		10
Auxiliary contact characteristics			
Thermal current Ith		А	10
IEC/EN 60947-5-1 designation			A600 - P600
Operating current AC15			
	230V	А	3
	400V	A	1.9
	500V	A	1.4
Operating current DC12			
	110V	A	5.7
Operating current DC13			
	24V	A	5.7
	48V	A	2.9
	60V	A	2.3
	110V 125V	A A	1.25 1.1
	220V	A	0.6
	600V	A	0.0
Operations	0001	Λ	0.1
Mechanical life		cycles	20000000
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 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			

pick-up

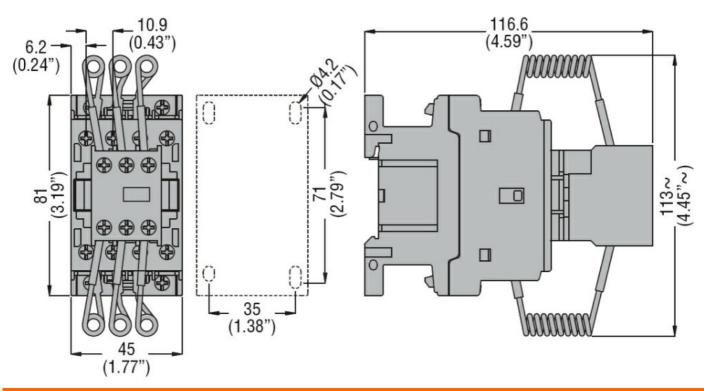


CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, AND AUTOMATION COIL 48VAC 50/60HZ

		min	%Us	85
		max	%Us	110
	drop-out		,	
	000-001		0/11-	00
		min	%Us	20
		max	%Us	55
AC average coil con	sumption at 20°C			
	of 50/60Hz coil powered at 50Hz			
	· ·	in-rush	VA	75
		holding	VA	9
	of 50/001 to acil new and at 001 to	noiding	٧٨	3
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	70
		holding	VA	6.5
	of 60Hz coil powered at 60Hz			
		in-rush	VA	75
		holding	VA	9
Dissipation at holdin	a <20°C 50Hz	noiding	W	2.5
	-		٧V	2.0
Max cycles frequend				
Mechanical operatio	n		cycles/h	3600
Operating times				
Average time for Us	control			
	in AC			
	Closing NO			
		min	ms	8
		max	ms	24
	Opening NO			
		min	ms	10
		max	ms	20
	Closing NC	max	me	20
	Closing NC			4.4
		min	ms	14
		max	ms	28
UL technical data				
General USE				
	Contactor			
		AC current	А	28
	Auviliant		Л	20
	Auxiliary contacts		, <i>i</i>	
		AC voltage	V	600
		AC current	А	10
		DC voltage	V	250
		DC current	А	1
Contact rating of aux	ciliary contacts according to UL		-	A600 - P600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		min		
		max	°C	80
Max altitude			m	3000
Resistance & Protect	ction			
Pollution degree				3
Dimensions [mm (in]				- -



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, Electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, AND AUTOMATION COIL 48VAC 50/60HZ

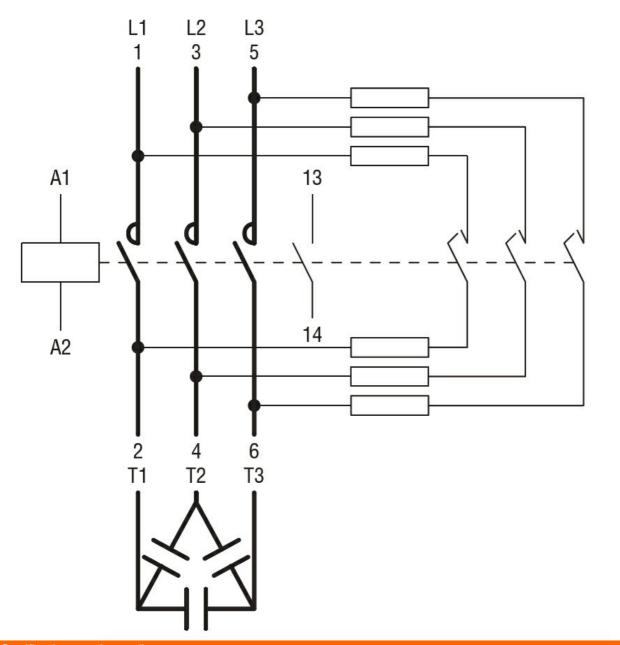


Wiring diagrams



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, COIL 48VAC 50/60HZ

ENERGY AND AUTOMATION



Certifications and compliance

Comp	

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

contactor



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, COIL 110VAC 50/60HZ



BFK1210A110

Product designation				Power contactor
Product type designat				BFK12
Contact characteristic	S			
Number of poles			Nr.	3
Rated insulation voltage			V	690
Rated impulse withsta			kV	6
Operational frequency	/			
		min	Hz	25
		max	Hz	400
IEC Conventional free	air thermal current Ith		Α	28
Rated operational pov	wer 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)		Α	150
Protection fuse				
		gG (IEC)	А	25
Making capacity (RMS	S value)		А	120
Breaking capacity at v	roltage			
		440V	А	96
		500V	А	96
		690V	А	94
Resistance per pole (a	average value)		mΩ	2.5
Power dissipation per	pole (average value)			
		Ith	W	2
Tightening torque for t	terminals			
		min	Nm	1.5
		max	Nm	1.8
		min	lbin	1.1
		max	lbin	1.5
Tightening torque for	coil terminal			
5 ··· 5 ·· 1···		min	Nm	0.8
		max	Nm	1
		min	Ibin	0.8
		max	Ibin	0.74
Max number of wires	simultaneously connectable		Nr.	2
Conductor section				_
	AWG/Kcmil			
		max		10
	Flexible w/o lug conductor section	Παλ		10
	FIGNING W/O TAY CONTROLOT SECTION	min	mm²	1
			mm²	6
	Flexible c/w lug conductor section	max	11111	U
	FIEXIBLE C/W TUG CONDUCTOR SECTION		mm^2	1
		min	mm²	1

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



BFK1210A110 CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR,

COIL 110VAC 50/60HZ

		max	mm²	4
	Flexible with insulated spade lug conductor	section		
		min	mm²	1
		max	mm²	4
Power terminal protect	tion according to IEC/EN 60529			IP20 when properly wired
Mechanical features				
Operating position				
		normal allowable		Vertical plan ±30°
Fixing				Screw / DIN rail 35mm
Weight			g	415
Conductor section			Ŭ	
	AWG/kcmil conductor section			
		max		10
Auxiliary contact chara	cteristics			
Thermal current Ith			Α	10
EC/EN 60947-5-1 des				A600 - P600
Operating current AC1	5			
		230V	А	3
		400V	A	1.9
		500V	A	1.4
Operating current DC1	2	110V	А	5.7
Operating current DC1	3			
		24V	А	5.7
		48V	А	2.9
		60V	A	2.3
		110V	A	1.25
		125V	A	1.1
		220V	A	0.6
		600V	A	0.1
Operations			avalaa	20000000
Mechanical life Electrical life			cycles	2000000
Safety related data			cycles	400000
	0d according to EN/ISO 13489-1			
	54 according to E14/160 13408-1	rated load	cycles	400000
		mechanical load	cycles	2000000
Mirror contats accordi	ng to IEC/EN 609474-4-1		0,0100	YES
EMC compatibility	······································			yes
AC coil operating				,
Rated AC voltage at 5	0/60Hz		V	110
AC operating voltage				
	of 50/60Hz coil powered at 50Hz pick-up			
	Pion of	min	%Us	80
		max	%Us	110
	drop-out	Пах	,	
		min	%Us	20
		max	%Us	55
	of 50/60Hz coil powered at 60Hz		_	
	pick-up			

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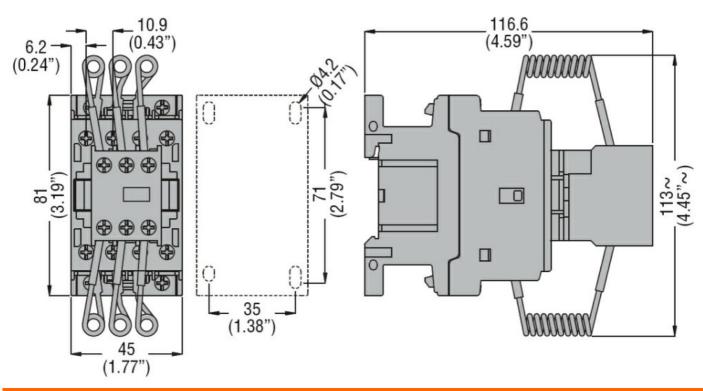


CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, Electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, AND AUTOMATION COIL 110VAC 50/60HZ

		min	%Us	85
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	55
AC average coil cons	sumption at 20°C			
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	75
		holding	VA	9
	of 50/60Hz coil powered at 60Hz	Ŭ		
	· ·	in-rush	VA	70
		holding	VA	6.5
	of 60Hz coil powered at 60Hz	riording		0.0
		in-rush	VA	75
			VA VA	
Disaination at halding		holding		9
Dissipation at holding			W	2.5
Max cycles frequency				
Mechanical operation			cycles/h	3600
Operating times				
Average time for Us of				
	in AC			
	Closing NO			
		min	ms	8
		max	ms	24
	Opening NO			
		min	ms	10
		max	ms	20
	Closing NC			
		min	ms	14
		max	ms	28
UL technical data		Шах	mo	20
General USE				
General USE	Contestar			
	Contactor	10		
	A 11	AC current	A	28
	Auxiliary contacts			
		AC voltage	V	600
		AC current	А	10
		DC voltage	V	250
		DC current	А	1
Contact rating of auxi	liary contacts according to UL			A600 - P600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°Č	70
	Storage temperature	max	~	
	Clorage lemperature	min	°C	-60
			°C	
Max altitude		max		80
Max altitude			m	3000
Resistance & Protect	lion			
Pollution degree				3
Dimensions [mm (in)]				



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, Electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, AND AUTOMATION COIL 110VAC 50/60HZ

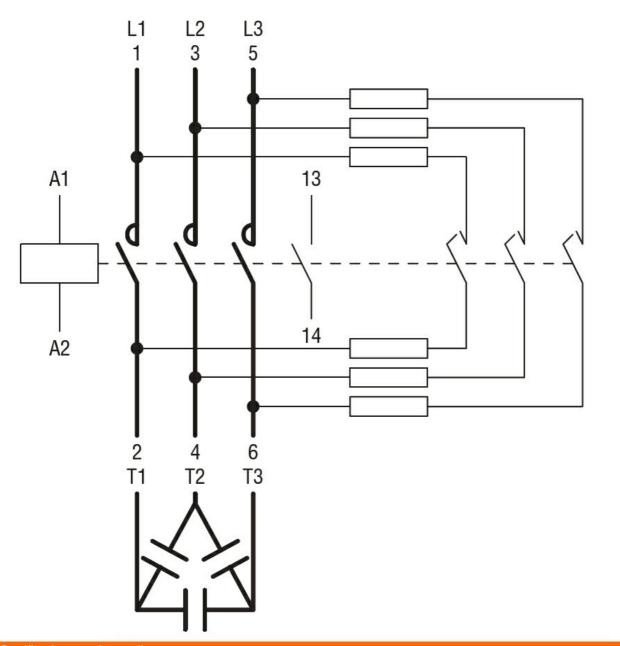


Wiring diagrams



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, COIL 110VAC 50/60HZ

ENERGY AND AUTOMATION



Certifications and compliance

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Comp	nance
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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

contactor



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, COIL 230VAC 50/60HZ



BFK1210A230

				1. 3. 1 A. J.
Product designation				Power contactor
Product type designat	tion			BFK12
Contact characteristic	S			
Number of poles			Nr.	3
Rated insulation voltage	ge Ui IEC/EN		V	690
Rated impulse withsta	and voltage Uimp		kV	6
Operational frequency	/			
		min	Hz	25
		max	Hz	400
IEC Conventional free	e air thermal current Ith		А	28
Rated operational pov	wer 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	voltage			
	-	440V	А	96
		500V	А	96
		690V	А	94
Resistance per pole (a	average value)		mΩ	2.5
Power dissipation per				
		Ith	W	2
Tightening torque for t	terminals			
		min	Nm	1.5
		max	Nm	1.8
		min	lbin	1.1
		max	lbin	1.5
Tightening torque for	coil terminal			
0 0 1		min	Nm	0.8
		max	Nm	1
		min	lbin	0.8
		max	Ibin	0.74
Max number of wires	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		max		10
	Flexible w/o lug conductor section			-
		min	mm²	1
		max	mm²	6
	Flexible c/w lug conductor section	max		-
		min	mm²	1
		11111		I

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BFK1210A230 CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR,

COIL 230VAC 50/60HZ

	max	mm²	4
Flexible with insulated spade lug conductor			
	min	mm²	1
	max	mm²	4
Power terminal protection according to IEC/EN 60529			IP20 when properly wired
Mechanical features			
Operating position			
	normal allowable		Vertical plan ±30°
Fixing			Screw / DIN rail 35mm
Weight		g	418
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	00017	^	2
	230V 400V	A	3 1.9
	400V 500V	A A	1.9
Operating current DC12	500 v	Α	1.4
	110V	А	5.7
Operating current DC13	1101	7	0.1
	24V	А	5.7
	48V	A	2.9
	60V	А	2.3
	110V	А	1.25
	125V	Α	1.1
	220V	A	0.6
	600V	A	0.1
Operations			
Mechanical life		cycles	2000000
Electrical life Safety related data		cycles	400000
Performance level B10d according to EN/ISO 13489-1			
Fenomiance level blod according to EN/ISO 13483-1	rated load	cycles	400000
	mechanical load	cycles	20000000
Mirror contats according to IEC/EN 609474-4-1		0,000	YES
EMC compatibility			yes
AC coil operating			
Rated AC voltage at 50/60Hz		V	230
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			

pick-up

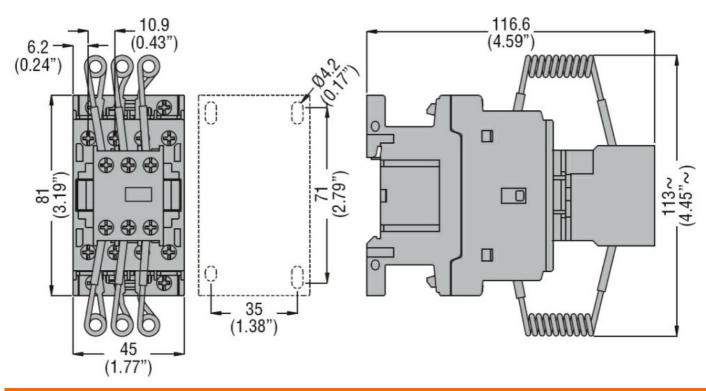


CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, AND AUTOMATION COIL 230VAC 50/60HZ

		min	%Us	85
		max	%Us	110
	drop-out	max	,	
	diop-out		0/11.	00
		min	%Us	20
		max	%Us	55
AC average coil consu	Imption at 20°C			
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	75
		holding	VA	9
		noiuing	٧٨	9
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	70
		holding	VA	6.5
	of 60Hz coil powered at 60Hz			
	•	in-rush	VA	75
		holding	VA	9
Disational to the last		noiuing		
Dissipation at holding	≤20°C 50HZ		W	2.5
Max cycles frequency				
Mechanical operation			cycles/h	3600
Operating times			-	
Average time for Us co	antrol			
Average lime for 05 G				
	in AC			
	Closing NO			
		min	ms	8
		max	ms	24
	Opening NO			
	oponnigrio	min	ms	10
		max	ms	20
	Closing NC			
		min	ms	14
		max	ms	28
UL technical data				
General USE				
	Contactor			
	Contactor		_	
		AC current	A	28
	Auxiliary contacts			
		AC voltage	V	600
		AC current	А	10
		DC voltage	V	250
		-		
<u> </u>		DC current	A	1
_	ary contacts according to UL			A600 - P600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
	-	max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude		max	 	3000
			111	3000
Resistance & Protection				
Pollution degree				3
Dimensions [mm (in)]				



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, Electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, AND AUTOMATION COIL 230VAC 50/60HZ

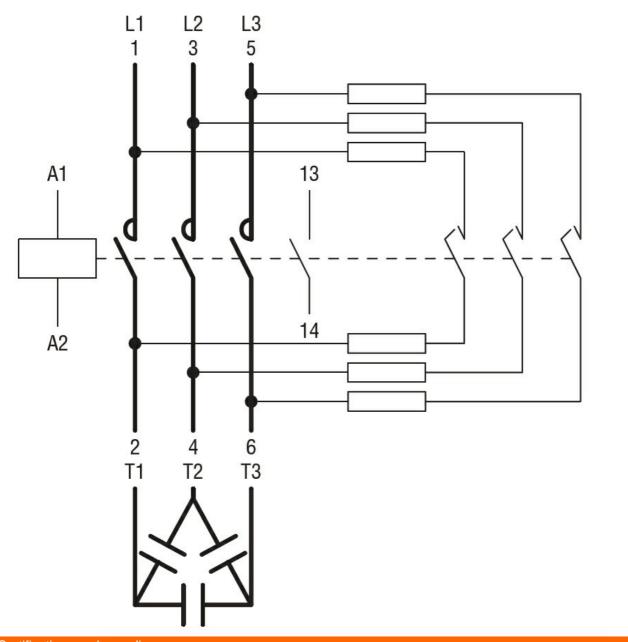


Wiring diagrams



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, COIL 230VAC 50/60HZ





Certifications and compliance

Comp	

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	1	
		EC001079 -
ETIM 8.0		Capacitor

contactor

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CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, COIL 400VAC 50/60HZ



BFK1210A400

Product type designation BFK12 Contact characteristics V 690 Number of poles N 3 Rated insulation voltage Ui IEC/EN V 690 Querational frequency min Hz 25 max Hz 400 12 IEC Conventional free air thermal current lth A 28 Rated operational power AC-6b (Ts40°C) 230V kvar 7 400 kvar 14 690V kvar 16 Short-time allowable current for 10s (IEC/EN60947-1) A 150 Protection fuse gG (IEC) A 25 Making capacity (RMS value) A 120 Protection fuse gG (IEC) A 96 Short-time allowable current for 10s (IEC/EN60947-1) A 120 Protection fuse gG (IEC) A 25 Making capacity (RMS value) M 96 500V A 96 Short-time allowable current for 10s (IEC/EN60947-1) M 2 5 Power dissipation per pole (average value) <th></th> <th></th> <th></th> <th></th> <th>13193</th>					13193
Product type designation BFK12 Contact characteristics	Product designation				Power contactor
Number of poles Nr. 3 Rated insulation voltage Ui IEC/EN V 690 Rated insulation voltage Uimp kV 6 Operational frequency min Hz 25 max Hz 400 1 IEC Conventional free air thermal current lth A 28 Rated operational power AC-6b (T≤40°C) 230V kvar 7 400V kvar 12.5 440480V kvar 14 690V kvar 16 5 5 5 Short-time allowable current for 10s (IEC/EN60947-1) A 150 5 5 Protection fuse gG (IEC) A 25 5 Making capacity (RMS value) A 120 5 Breaking capacity (RMS value) mQ 2.5 5 Power dissipation per pole (average value) mQ 2.5 5 Power dissipation per pole (average value) mX 1.5 5 Tightening torque for coil terminal min 1.5 5	-	tion			BFK12
Rated insulation voltage Ui IEC/EN V 630 Rated inpulse withstand voltage Ump kV 6 Operational frequency min Hz 25 max Hz 400 Hz 400 IEC Conventional free air thermal current lth A 28 Rated operational power AC-6b (T≤40°C) 230V kvar 7 440480V kvar 14 680V kvar 14 690V kvar 14 680V kvar 14 690V kvar 150 Protection fuse gG (IEC) A 150 Protection fuse gG (IEC) A 120 Breaking capacity (RMS value) A 120 Breaking capacity at voltage 440V A 96 500V A 94 Power dissipation per pole (average value) mΩ 2.5 Power dissipation per pole (average value) mín Nm 1.5 Tightening torque for coil terminal min Nm 1.5 max Nm 1.8 min <td>Contact characteristic</td> <td>S</td> <td></td> <td></td> <td></td>	Contact characteristic	S			
Rated impulse withstand voltage Uimp kV 6 Operational frequency min Hz 25 max Hz 400 IEC Conventional free air thermal current lth A 28 Rated operational power AC-6b (T≤40°C) 230V kvar 7 400V kvar 7 400V kvar 12.5 440480V kvar 14 690V kvar 16 Short-time allowable current for 10s (IEC/EN60947-1) A 150 Protection fuse gG (IEC) A 25 Making capacity (RMS value) A 120 Breaking capacity at voltage 440V A 96 Breaking capacity (RMS value) mΩ 2.5 Power dissipation per pole (average value) mΩ 2.5 Power dissipation per pole (average value) mín Nm 1.5 max Nm 1.8 Tightening torque for coil terminal min Nm 1.5 max Nm 1.8 Tightening torque for coil terminal min Nm 1.5	Number of poles			Nr.	3
Operational frequency min Hz 25 max HZ 400 1EC Conventional power AC-6b (Ts40°C) 230V kvar 7 400V kvar 12.5 440480V kvar 14 690V kvar 14 690V kvar 12.5 Making capacity (RMS value) A 150 Protection fuse a 120 Breaking capacity at voltage 440V A 96 500V A 92 Power dissipation per pole (average value) mC 2.5 Power dissipation per pole (average value) mC 2.5 Tightening torque for coil terminals min Nm 1.5 max Nm 1.8 min Ibin 0.8 max Nm 1.8 min 1.1	Rated insulation voltage	ge Ui IEC/EN		V	690
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Rated impulse withsta	and voltage Uimp		kV	6
max Hz 400 IEC Conventional free air thermal current lth A 28 Rated operational power AC-6b (Ts40°C) 230V kvar 7 4400/V kvar 12.5 440480V kvar 14 690V kvar 16 500V kvar 16 Short-time allowable current for 10s (IEC/EN60947-1) A 150 7 Protection fuse gG (IEC) A 25 Making capacity (RMS value) A 120 8 Breaking capacity at voltage 440V A 96 690V A 96 500V A 96 Stort time allowable current inals m0 2.5 7 Power dissipation per pole (average value) m0 2.5 7 Power dissipation per pole (average value) min Nm 1.6 Tightening torque for coil terminal min Nm 1.6 Tightening torque for coil terminal min Nm 1.6 Max number of wires simultaneously connectabl	Operational frequency	/			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			min	Hz	25
Rated operational power AC-6b (T≤40°C) 230V kvar 7 400V kvar 12.5 440480V kvar 14 6 Short-time allowable current for 10s (IEC/EN60947-1) A 150 Protection fuse gG (IEC) A 25 Making capacity (RMS value) A 120 Breaking capacity at voltage 440V A 96 Breaking capacity at voltage 440V A 96 500V A 94 Resistance per pole (average value) mΩ 2.5 Power dissipation per pole (average value) Ith W 2 Tightening torque for terminals min Nm 1.5 max Nm 1.5 Tightening torque for coil terminal min Nm 1.8 min Nm 1.8 min Nm 1.8 min Nm 1.8 mi			max	Hz	400
$\begin{array}{c cccc} & 230 & kvar & 7 \\ 400 & kvar & 12.5 \\ 440480 & kvar & 14 \\ 690 & kvar & 16 \\ \hline \end{array}$ Short-time allowable current for 10s (IEC/EN60947-1) A 150 Protection fuse $\begin{array}{c cccccc} & gG(IEC) & A & 25 \\ \hline \end{array}$ Making capacity (RMS value) A 120 Breaking capacity at voltage $\begin{array}{c ccccccccccccccccccccccccccccccccccc$	IEC Conventional free	e air thermal current Ith		А	28
$\begin{array}{c cccccc} 440, & \text{kvar} & 12.5 \\ 440, & \text{kvar} & 14 \\ 690V & \text{kvar} & 16 \\ \hline \\ \text{Short-time allowable current for 10s (IEC/EN60947-1) & A & 150 \\ \hline \\ \text{Protection fuse} & & & & & & & & & & & & & & & & & & &$	Rated operational pov	wer AC-6b (T≤40°C)			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			230V	kvar	7
690V kvar 16 Short-time allowable current for 10s (IEC/EN60947-1) A 150 Protection fuse gG (IEC) A 25 Making capacity (RMS value) A 120 Breaking capacity at voltage 440V A 96 690V A 96 690V A 96 690V A 96 690V A 94 Resistance per pole (average value) mΩ 2.5 Power dissipation per pole (average value) Ith W 2 Tightening torque for terminals min Nm 1.5 max Nm 1.8 min 1.1 max Ibin 1.5 max Nm 1.8 min Ibin 1.8 max Nm 1.8 min Ibin 1.6 0.8 max Nm Tightening torque for coil terminal min Nm 1.6 0.74 Max number of wires simultaneously connectable </td <td></td> <td></td> <td>400V</td> <td>kvar</td> <td>12.5</td>			400V	kvar	12.5
Short-time allowable current for 10s (IEC/EN60947-1) A 150 Protection fuse gG (IEC) A 25 Making capacity (RMS value) A 120 Breaking capacity at voltage 440V A 96 500V A 96 500V A 94 Resistance per pole (average value) mΩ 2.5 Power dissipation per pole (average value) mΩ 2.5 Power dissipation per pole (average value) Ith W 2 Tightening torque for terminals min Nm 1.5 Tightening torque for coil terminal min Nm 1.5 max Nm 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Max number of wires simultaneously connectable Nr. 2 Conductor section Nr. 2 Conductor section max 10 Textbell Textbell 1 max 10 Textbell Textbell 1 Textbell 1 Textbell			440480V	kvar	14
Protection fuse gG (IEC) A 25 Making capacity (RMS value) A 120 Breaking capacity at voltage 440V A 96 500V A 96 690V A 94 Resistance per pole (average value) mΩ 2.5 Power dissipation per pole (average value) mIn Nm 1.5 Power dissipation per pole (average value) Ith W 2 Tightening torque for terminals min Nm 1.5 Tightening torque for coil terminal min Nm 1.5 max Nm 1.8 Max number of wires simultaneously connectable Nr. 2 Conductor section 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 10 10 10 Flexible w/o lug conductor section min min mm² 1 min<			690V	kvar	16
gG (IEC) A 25 Making capacity (RMS value) A 120 Breaking capacity at voltage 440V A 96 500V A 96 500V A 94 Resistance per pole (average value) mΩ 2.5 Power dissipation per pole (average value) mIn W 2 Tightening torque for terminals min Nm 1.5 max Nm 1.8 Tightening torque for coil terminal min Nm 1.5 max Nm 1.8 Tightening torque for coil terminal min Nm 1.5 max Nm 1.5 Tightening torque for coil terminal min Nm 1.5 max Nm 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Max number of wires simultaneously connectable Nr. 2 Conductor section Nr. 2 Conductor section Max 10 Max Mm 1 max max 10 </td <td>Short-time allowable of</td> <td>current for 10s (IEC/EN60947-1)</td> <td></td> <td>А</td> <td>150</td>	Short-time allowable of	current for 10s (IEC/EN60947-1)		А	150
Making capacity (RMS value) A 120 Breaking capacity at voltage 440V A 96 S00V A 96 690V A 96 G90V A 94 690V A 94 Resistance per pole (average value) mΩ 2.5 0	Protection fuse				
Making capacity (RMS value) A 120 Breaking capacity at voltage 440V A 96 S00V A 96 690V A 96 G90V A 94 690V A 94 Resistance per pole (average value) mΩ 2.5 0			gG (IEC)	А	25
Breaking capacity at voltage 440V A 96 500V A 96 690V A 94 Resistance per pole (average value) mQ 2.5 Power dissipation per pole (average value) Ith W 2 Tightening torque for terminals min Nm 1.5 max Nm 1.6 min 1.1 min Ibin 1.1 max Ibin 1.5 Tightening torque for coil terminal min Nm 1.5 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Tightening torque for coil terminal min Nm 0.8 0.74 1 1 Max number of wires simultaneously connectable Nr. 2 2 <	Making capacity (RMS	S value)		А	120
500V A 96 690V A 94 Resistance per pole (average value) mΩ 2.5 Power dissipation per pole (average value) Ith W 2 Tightening torque for terminals min Nm 1.5 max Nm 1.8 min Ibin 1.1 max Ibin 1.5 max Nm 1.8 Tightening torque for coil terminal min Nm 1.8 min Ibin 1.1 Max number of wires simultaneously connectable Nr. 2 2 2 Conductor section AWG/Kcmil max 10 10 Flexible w/o lug conductor section min mm² 1 Flexible c/w lug conductor section min mm² 1	Breaking capacity at v	voltage			
690V A 94 Resistance per pole (average value) mΩ 2.5 Power dissipation per pole (average value) Ith W 2 Tightening torque for terminals min Nm 1.5 min Nm 1.5 max Nm 1.8 min Ibin 1.1 max Ibin 1.5 Tightening torque for coil terminal min Nm 0.8 Max number of wires simultaneously connectable Nr. 2 Conductor section MG/Kcmil max 10 Flexible w/o lug conductor section min mm² 1 min min mm² 1 Flexible c/w lug conductor section min mm² 1		-	440V	А	96
Resistance per pole (average value) mΩ 2.5 Power dissipation per pole (average value) Ith W 2 Tightening torque for terminals min Nm 1.5 max Nm 1.8 min Ibin 1.1 max Ibin 1.1 max Ibin 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Max number of wires simultaneously connectable Nr. 2 Conductor section Nr. 2 Max number of wires simultaneously connectable Nr. 2 Conductor section 10 Flexible w/o lug conductor section min mm² 1 max 10 Flexible c/w lug conductor section min mm² 1 max 10			500V	А	96
Power dissipation per pole (average value) Ith W 2 Tightening torque for terminals min Nm 1.5 min Ibin 1.1 max Nm 1.8 min Ibin 1.1 max Ibin 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Max number of wires simultaneously connectable Nr. 2 Conductor section Nr. 2 Conductor section AWG/Kcmil max 10 10 10 10 Flexible w/o lug conductor section min mm² 1 1 10 1 Flexible c/w lug conductor section min mm² 1 1 10 1 <td></td> <td></td> <td>690V</td> <td>А</td> <td>94</td>			690V	А	94
Power dissipation per pole (average value) Ith W 2 Tightening torque for terminals min Nm 1.5 max Nm 1.8 min Ibin 1.1 max Ibin 1.5 1.5 1.5 Tightening torque for coil terminal min Nm 0.8 1.5 Tightening torque for coil terminal min Nm 0.8 1.5 Tightening torque for coil terminal min Nm 0.8 1.5 Max number of wires simultaneously connectable Nr. 2 2 Conductor section Max 10 10 Flexible w/o lug conductor section min min mm² 1 max mm² 1 1 1 1 Flexible c/w lug conductor section min min mm² 1	Resistance per pole (a	average value)		mΩ	2.5
Tightening torque for terminals min Nm 1.5 max Nm 1.8 min Ibin 1.1 max Ibin 1.5 max Ibin 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Max number of wires simultaneously connectable Nr. 2 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section Max 10 Flexible w/o lug conductor section min mm² 1 Max Indo Max 10 Flexible c/w lug conductor section min mm² 1 Max Indo Max 10					
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			Ith	W	2
max Nm 1.8 min Ibin 1.1 max Ibin 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min 1bin 0.8 max Nm 1 min 1bin 0.8 max Nm 1 min 1bin 0.8 max Ibin 0.8 max 10 Max number of wires simultaneously connectable Nr. 2 10 Conductor section max 10 10 Flexible w/o lug conductor section min mm² 1 max mm² 1 1 Flexible c/w lug conductor section min mm² 1	Tightening torque for t	terminals			
min lbin 1.1 max lbin 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min lbin 0.8 max Nm 1 min lbin 0.8 max Ibin 0.8 max lbin 0.74 Max number of wires simultaneously connectable Nr. 2 2 Conductor section Max 10 10 Flexible w/o lug conductor section min mm² 1 max mm² 1 1 Flexible c/w lug conductor section min mm² 1 Flexible c/w lug conductor section min mm² 1			min	Nm	1.5
max Ibin 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibin 0.8 max Ibin 0.8 max Ibin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section Nr. 2 AWG/Kcmil max 10 Flexible w/o lug conductor section min mm² max mm² 1 Flexible c/w lug conductor section min mm²			max	Nm	1.8
Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibin 0.8 max Ibin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section min mm² 1 Flexible c/w lug conductor section min mm² 1			min	Ibin	1.1
min Nm 0.8 max Nm 1 min Ibin 0.8 max Ibin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section Nr. 2 AWG/Kcmil max 10 Flexible w/o lug conductor section min mm² max mm² 1 Flexible c/w lug conductor section Flexible c/w lug conductor section			max	Ibin	1.5
max Nm 1 min Ibin 0.8 max Ibin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section Nr. 2 AWG/Kcmil max 10 Flexible w/o lug conductor section min mm² Min mm² 1 Flexible c/w lug conductor section min mm²	Tightening torque for	coil terminal			
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 min mm² 1 Min mm² 1 6 Flexible c/w lug conductor section Flexible c/w lug conductor section min mm² 6			min	Nm	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 min mm² 1 Min mm² 6 6 Flexible c/w lug conductor section max mm² 6					
max lbin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section min mm² 1 Min mm² 6 6 Flexible c/w lug conductor section max mm² 6			min	lbin	0.8
Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section min mm² 1 Max mm² 6 6 6			max	lbin	
Conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section min mm² 1	Max number of wires	simultaneously connectable			
AWG/Kcmil max 10 Flexible w/o lug conductor section min mm ² 1 max mm ² 6 Flexible c/w lug conductor section	Conductor section	•			
max 10 Flexible w/o lug conductor section min mm² 1 max mm² 6 Flexible c/w lug conductor section		AWG/Kcmil			
Flexible w/o lug conductor section min mm ² 1 max mm ² 6 Flexible c/w lug conductor section			max		10
min mm ² 1 max mm ² 6 Flexible c/w lug conductor section		Flexible w/o lug conductor section			
max mm ² 6 Flexible c/w lug conductor section		5	min	mm²	1
Flexible c/w lug conductor section					
-		Flexible c/w lug conductor section			
		5	min	mm²	1

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



BFK1210A400 CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR,

COIL 400VAC 50/60HZ

	max	mm²	4
Flexible with insulated spade lug conductor sec	tion		
	min	mm²	1
	max	mm²	4
Power terminal protection according to IEC/EN 60529			IP20 when
· · ·			properly wired
Mechanical features			
Operating position	normal		Vortical plan
	normal allowable		Vertical plan ±30°
	allowable		Screw / DIN rai
Fixing			35mm
Weight		g	428
Conductor section		3	-
AWG/kcmil conductor section			
	max		10
Auxiliary contact characteristics			
Thermal current Ith		А	10
IEC/EN 60947-5-1 designation			A600 - P600
Operating current AC15			
	230V	А	3
	400V	А	1.9
	500V	Α	1.4
Operating current DC12			
	110V	A	5.7
Operating current DC13			
	24V	A	5.7
	48V	A	2.9
	60V	A	2.3
	110V	A	1.25
	125V 220V	A	1.1 0.6
	600V	A A	0.8
Operations	0000	A	0.1
Mechanical life		cycles	20000000
Electrical life		cycles	400000
Safety related data		eyelee	100000
Performance level B10d according to EN/ISO 13489-1			
5 1 1 1 1 1 1 1 1 1 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 50/60Hz		V	400
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			

pick-up

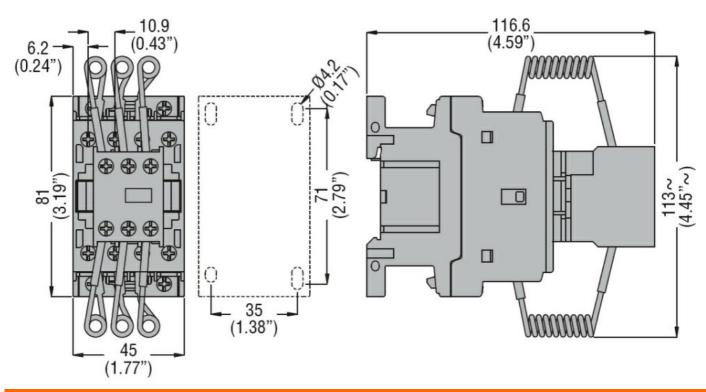


CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, AND AUTOMATION COIL 400VAC 50/60HZ

		min	%Us	85
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	55
AC average coil cons	sumption at 20°C			
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	75
		holding	VA	9
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	70
		holding	VA	6.5
	of 60Hz coil powered at 60Hz	noiding	•7.0	0.0
		in-rush	VA	75
		holding	VA VA	9
Dissinction at holding		noiuing		
Dissipation at holding			W	2.5
Max cycles frequency				0000
Mechanical operation			cycles/h	3600
Operating times				
Average time for Us of				
	in AC			
	Closing NO			
		min	ms	8
		max	ms	24
	Opening NO			
		min	ms	10
		max	ms	20
	Closing NC			
		min	ms	14
		max	ms	28
UL technical data				
General USE				
	Contactor			
	Contactor	AC current	А	28
	Auxilianzanteate	AC current	A	20
	Auxiliary contacts	AC valtar	17	600
		AC voltage	V	600
		AC current	A	10
		DC voltage	V	250
<u> </u>		DC current	A	1
	liary contacts according to UL			A600 - P600
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
Dimensions [mm (in)]				~



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, Electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, AND AUTOMATION COIL 400VAC 50/60HZ

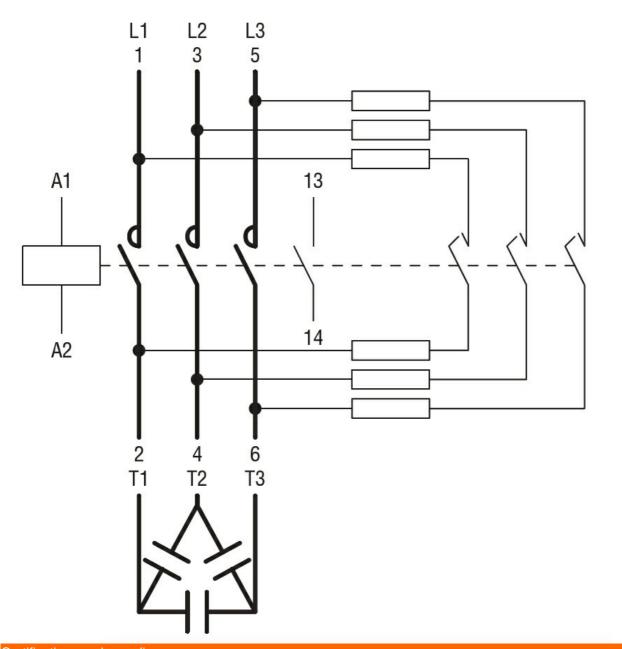


Wiring diagrams



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, COIL 400VAC 50/60HZ

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Certifications and compliance

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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	
	EAC	
ETIM classification		
		EC001079 -
ETIM 8.0		Capacitor

contactor

ENERGY AND AUTOMATION

CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, COIL 24VAC 60HZ



				_
Product designation	·			Power contactor
Product type designat				BFK12
Contact characteristic	S <u> </u>		Nie	3
Number of poles			Nr. V	<u> </u>
Rated insulation voltage			kV	6
Operational frequency			κv	0
Operational frequency		min	Hz	25
		max	Hz	400
IEC Conventional free	air thermal current Ith	max	A	28
Rated operational pov			7	20
		230V	kvar	7
		400V	kvar	, 12.5
		440480V	kvar	14
		690V	kvar	16
Short-time allowable of	current for 10s (IEC/EN60947-1)		A	150
Protection fuse				
		gG (IEC)	А	25
Making capacity (RMS	Svalue)	<u> </u>	А	120
Breaking capacity at v				
0 1 2	Ũ	440V	А	96
		500V	А	96
		690V	А	94
Resistance per pole (a	average value)		mΩ	2.5
Power dissipation per	pole (average value)			
		lth	W	2
Tightening torque for t	erminals			
		min	Nm	1.5
		max	Nm	1.8
		min	lbin	1.1
		max	lbin	1.5
Tightening torque for o	coil terminal			
		min	Nm	0.8
		max	Nm	1
		min	lbin	0.8
		max	Ibin	0.74
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		max		10
	Flexible w/o lug conductor section			4
		min	mm²	1
		max	mm²	6
	Flexible c/w lug conductor section	!		4
		min	mm²	1

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BFK1210A02460 CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR,

COIL 24VAC 60HZ

		max	mm²	4
	Flexible with insulated spade lug conductor section	n		
		min	mm²	1
		max	mm²	4 IP20 when
Power terminal protection	on according to IEC/EN 60529			properly wired
Mechanical features				
Operating position				
		normal allowable		Vertical plan ±30°
Fixing		allowable		Screw / DIN rail
				35mm
Weight			g	416
Conductor section	AWG/kcmil conductor section			
	AVG/Remil conductor section	max		10
Auxiliary contact charact	teristics			
Thermal current Ith			А	10
IEC/EN 60947-5-1 desig				A600 - P600
Operating current AC15				
		230V	A	3
		400∨ 500∨	A	1.9 1.4
Operating current DC12		5007	A	1.4
operating eartern DOTZ	-	110V	А	5.7
Operating current DC13	}			-
		24V	А	5.7
		48V	А	2.9
		60V	А	2.3
		110V	A	1.25
		125V 220V	A A	1.1 0.6
		600V	A	0.0
Operations		0001	7	0.1
Mechanical life			cycles	20000000
Electrical life			cycles	400000
Safety related data				
Performance level B10c	d according to EN/ISO 13489-1			
		rated load	cycles	400000
Mirror contats according	a to JEC/EN 600474 4 1	mechanical load	cycles	20000000 YES
EMC compatibility	g to IEC/EN 809474-4-1			yes
AC coil operating				yes
Rated AC voltage at 60H	Hz		V	24
AC operating voltage				
	of 60Hz coil powered at 60Hz			
	pick-up	<u> </u>		
		min	%Us	80
	drop out	max	%Us	110
	drop-out	min	%Us	20
		max	%Us	55
AC average coil consum	notion at 20°C			

AC average coil consumption at 20°C



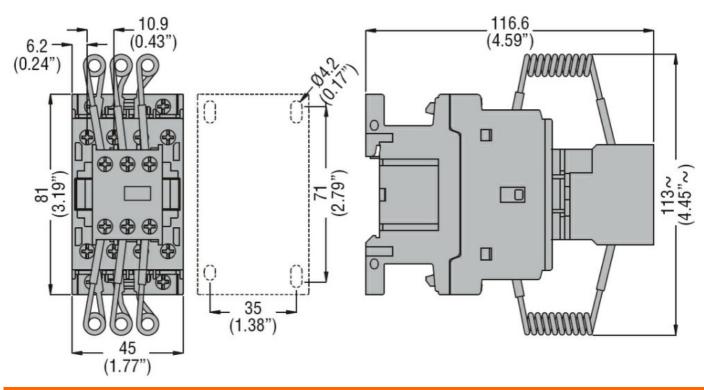
BFK1210A02460 CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR,

COIL 24VAC 60HZ

	of 60Hz coil powered at 60Hz			
	·	in-rush	VA	75
		holding	VA	9
Dissipation at holding ≤	20°C 50Hz		W	2.5
Max cycles frequency				
Mechanical operation		C	ycles/h	3600
Operating times				
Average time for Us co	ntrol			
	in AC			
	Closing NO			
		min	ms	8
		max	ms	24
	Opening NO			
		min	ms	10
		max	ms	20
	Closing NC			
		min	ms	14
		max	ms	28
UL technical data				
General USE				
	Contactor			
		AC current	A	28
	Auxiliary contacts			
		AC voltage	V	600
		AC current	A	10
		DC voltage	V	250
<u> </u>		DC current	A	1
_	ary contacts according to UL			A600 - P600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature		° C	00
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Protectio				2
Pollution degree				3
Dimensions [mm (in)]				



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, Electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, AND AUTOMATION COIL 24VAC 60HZ

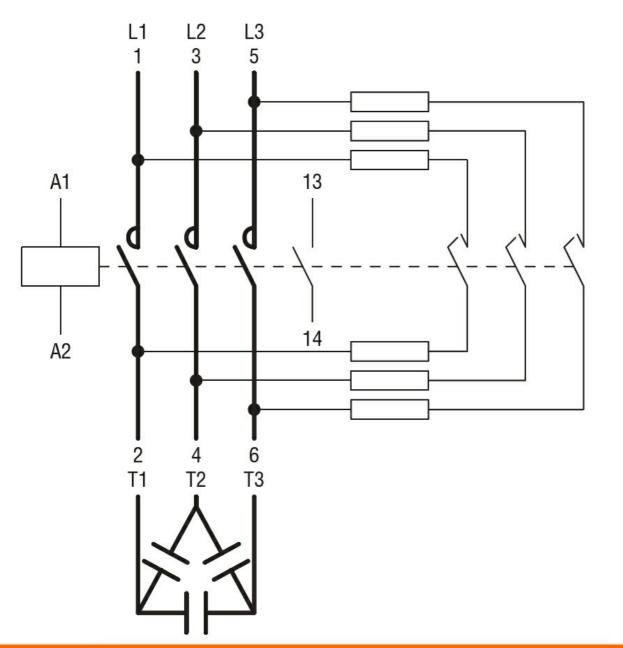


Wiring diagrams



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, COIL 24VAC 60HZ

ENERGY AND AUTOMATION



Certifications and compliance

Comp	

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

contactor

ENERGY AND AUTOMATION

CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, COIL 48VAC 60HZ



				_
Product designation	·			Power contactor
Product type designat				BFK12
Contact characteristic	S <u> </u>		Nie	3
Number of poles			Nr. V	<u> </u>
Rated insulation voltage			kV	6
Operational frequency			κv	0
Operational frequency		min	Hz	25
		max	Hz	400
IEC Conventional free	air thermal current Ith	max	A	28
Rated operational pov			7	20
		230V	kvar	7
		400V	kvar	, 12.5
		440480V	kvar	14
		690V	kvar	16
Short-time allowable of	current for 10s (IEC/EN60947-1)		A	150
Protection fuse				
		gG (IEC)	А	25
Making capacity (RMS	Svalue)	<u> </u>	А	120
Breaking capacity at v				
0 1 2	Ũ	440V	А	96
		500V	А	96
		690V	А	94
Resistance per pole (a	average value)		mΩ	2.5
Power dissipation per	pole (average value)			
		lth	W	2
Tightening torque for t	erminals			
		min	Nm	1.5
		max	Nm	1.8
		min	lbin	1.1
		max	lbin	1.5
Tightening torque for o	coil terminal			
		min	Nm	0.8
		max	Nm	1
		min	lbin	0.8
		max	Ibin	0.74
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		max		10
	Flexible w/o lug conductor section			4
		min	mm²	1
		max	mm²	6
	Flexible c/w lug conductor section	!		4
		min	mm²	1

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BFK1210A04860 CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR,

COIL 48VAC 60HZ

	max	mm²	4
Flexible with insulated spade lug conductor section	on		
	min	mm²	1
	max	mm²	4
Power terminal protection according to IEC/EN 60529			IP20 when properly wired
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
Fixing			Screw / DIN rail 35mm
Weight		g	416
Conductor section			
AWG/kcmil conductor section			
	max		10
Auxiliary contact characteristics		^	10
Thermal current lth		A	10 A600 B600
IEC/EN 60947-5-1 designation Operating current AC15			A600 - P600
Operating current AC 10	230V	А	3
	400V	A	1.9
	500V	A	1.4
Operating current DC12			
	110V	А	5.7
Operating current DC13			
	24V	А	5.7
	48V	А	2.9
	60V	А	2.3
	110V	Α	1.25
	125V	A	1.1
	220V	A	0.6
Operations	600V	A	0.1
Operations Mechanical life		oveloc	20000000
Electrical life		cycles cycles	400000
Safety related data		Cycles	400000
Performance level B10d according to EN/ISO 13489-1			
· · · · · · · · · · · · · · · · · · ·	rated load	cycles	400000
	mechanical load	cycles	20000000
Mirror contats according to IEC/EN 609474-4-1			YES
EMC compatibility			yes
AC coil operating			
Rated AC voltage at 60Hz		V	48
AC operating voltage			
of 60Hz coil powered at 60Hz			
pick-up			
	min	%Us	80
	max	%Us	110
drop-out	min	%Us	20
	max	%Us %Us	20 55
AC average coil consumption at 20°C	Пах	,	

AC average coil consumption at 20°C



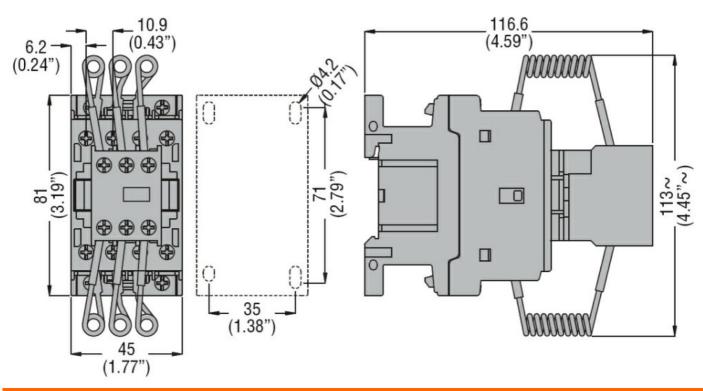
BFK1210A04860 CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR,

COIL 48VAC 60HZ

	of 60Hz coil powered a	at 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			
		-	min	ms	14
			max	ms	28
UL technical data					
General USE					
	Contactor				
			AC current	А	28
	Auxiliary contacts				
			AC voltage	V	600
			AC current	А	10
			DC voltage	V	250
			DC current	А	1
Contact rating of auxilia	ary contacts according to	UL			A600 - P600
Ambient conditions					
Temperature					
	Operating temperature	•			
			min	°C	-50
			max	°C	70
	Storage temperature				
	<u> </u>		min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protectio	on				
Pollution degree					3
Dimensions [mm (in)]					



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, Electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, AND AUTOMATION COIL 48VAC 60HZ

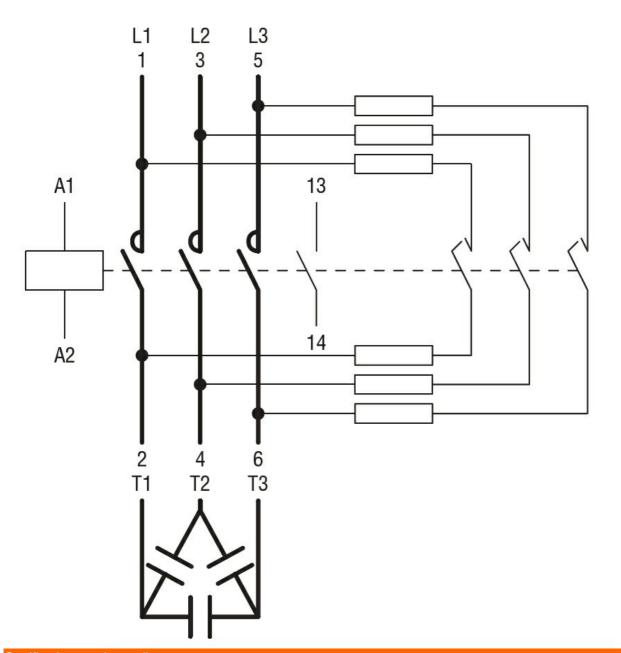


Wiring diagrams



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, COIL 48VAC 60HZ

ENERGY AND AUTOMATION



Certifications and compliance

pliance

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

contactor



BFK1210A12060 CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, COIL 120VAC 60HZ



Product designation Power contactor Product type designation BFK12 Contact characteristics Number of poles Number of poles Nr. Rated insulation voltage UIIEC/EN V 690 Rated insulation voltage UIIEC/EN V 6 Operational frequency min Hz 25 IEC Conventional frequency min Hz 28 Rated insulation voltage UI A 28 Rated operational power AC-6b (Ts40°C) 230V kvar 7 4000 Kvar 12.5 440480V kvar 14 66 Short-time allowable current tor 10s (IEC/EN60947-1) A 150 12.5 Making capacity (RMS value) A 120 12.5 12.0 Breaking capacity at voltage 440V A 96 500V A 96 Sould acceleration fuse min Nm 1.5 12.0 12.5 Power dissipation per pole (average value) min Nm 1.5 13.6 13.6					
Contact characteristics Number of poles Nr. 3 Number of poles Nr. 3 Rated insulation voltage UI IEC/EN V 690 Rated insulation voltage UI IEC/EN KV 6 Operational frequency min Hz 25 max Hz 400 12 IEC Conventional free air thermal current lth A 28 Rated operational power AC-6b (T≤40°C) 230V kvar 7 4000 kvar 14 690V kvar 14 690V kvar 14 690V kvar 16 Short-time allowable current for 10s (IEC/EN60947-1) A 150 Protection fuse gG (IEC) A 25 Making capacity (RMS value) A 120 Breaking capacity at voltage 440V A 96 690V A 96 690V A 94 Protection fuse min Dio Dio Dio Dio Dio Dio Dio Dio Dio D	-				
Number of poles Nr. 3 Rated insulation voltage UI IEC/EN V 690 Operational frequency min Hz 25 max Hz 400 162 25 IEC Conventional frequency min Hz 400 162 162 IEC Conventional free air thermal current lth A 28 143 14 690V kvar 7 400V kvar 7 400V kvar 7 400V kvar 7 400V kvar 7 400V kvar 7 400V kvar 7 400V kvar 7 400V kvar 7 400V kvar 7 440480V kvar 14 690V kvar 150V 690V kvar 120 8 8 690V A 94 8					BFK12
Rated insulation voltage Ui IEC/EN V 690 Rated impulse withstand voltage Uimp kV 6 Operational frequency min Hz 25 max HZ 400 1 IEC Conventional frequency 230V kvar 7 400 kvar 7 400 kvar Rated operational power AC-6b (T≤40°C) 230V kvar 7 400V kvar 12.5 440480V kvar 16 Short-time allowable current for 10s (IEC/EN80947-1) A 150 Protection fuse gG (IEC) A 120 Breaking capacity (RMS value) A 120 Breaking capacity at voltage 440V A 96 690V A 94 Short-time allowable current for 10s (IEC/EN80947-1) M V 2 Protection fuse gG (IEC) A 120 Breaking capacity at voltage 440V A 96 690V A 94 Short-time allowable current for 10s (IEC/EN80947-1) mx Nm		S		NI.	<u>^</u>
Rated inpulse withstand voltage Uimp kV 6 Operational frequency min Hz 25 max Hz 400 1EC Conventional free air thermal current 1th A 28 Rated operational power AC-6b (T≤40°C) 230V kvar 7 400. 440480V kvar 14 690V kvar 14 690V kvar 16 5 5 440480V kvar 14 690V kvar 16 5 5 6 5 5 6 5 6 5 6 5 6 5 6 5 6 6 5 7 440V A 96 6 5 6 6 7 7 6 7 7 7 440V A 96 5 6 5 7 8 6 5 7 7 7 7 7 7 7 7 7 7 7 7 7					
Operational frequency min Hz 25 max Hz 400 1EC Conventional free air thermal current lth A 28 Rated operational power AC-6b (T≤40°C) 230V kvar 7 400V kvar 12.5 440480V kvar 14 69V kvar 14 690V kvar 16 5 5 Making capacity (RMS value) A 150 7 Breaking capacity at voltage gG (IEC) A 120 Breaking capacity at voltage a 120 8 Power dissipation per pole (average value) mo 2.5 9 Power dissipation per pole (average value) min Nm 1.5 Tightening torque for coil terminals min Nm 1.5 Tightening torque for coil terminal min Nm 1.8 min Nm 1.8 min 10 Tightening torque for coil terminal Nr 2 2 Conductor section Nr 2					
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				KV	6
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	Operational frequency				
IEC Conventional free air thermal current Ith A 28 Rated operational power AC-6b (T≤40°C) 230V kvar 7 400V kvar 12.5 440480V kvar 14 690V kvar 14 690V kvar 16 Short-time allowable current for 10s (IEC/EN60947-1) A 150 7 Protection fuse gG (IEC) A 25 Making capacity (RMS value) A 120 Breaking capacity at voltage 440V A 96 690V A 92 500V A 96 690V A 96 690V A 96 690V A 96 690V A 96 Power dissipation per pole (average value) mû W 2 1 Tightening torque for terminals min Nm 1.5 Tightening torque for coil terminal min Nm 1.5 Tightening torque for coil terminal min Ni 2					
Rated operational power AC-6b (T≤40°C) 230V kvar 7 400V kvar 12.5 440480V kvar 16 Short-time allowable current for 10s (IEC/EN60947-1) A 150 Protection fuse gG (IEC) A 25 Making capacity (RMS value) A 120 Breaking capacity at voltage 440V A 96 690V A 99 Resistance per pole (average value) mQ 2.5 Power dissipation per pole (average value) min Nm 1.5 max Nm 1.5 Tightening torque for terminals min Nm 1.5 Tightening torque for coil terminal max Nm 1.5 max Nm 1.5 Tightening torque for coil terminal min Nm 1.5 max Nm 1.6 max Nm 1.6	<u></u>		max		
$\begin{array}{c cccccc} & & & & & & & & & & & & & & & & $				A	28
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Rated operational pov	ver AC-6b (T≤40°C)	0001/		_
$\begin{array}{c c c c c c c c c c c c c c c c c c c $					
690V kvar 16 Short-time allowable current for 10s (IEC/EN60947-1) A 150 Protection fuse gG (IEC) A 25 Making capacity (RMS value) A 120 Breaking capacity at voltage A 96 440V A 96 500V A 96 500V A 94 Resistance per pole (average value) mΩ 2.5 Power dissipation per pole (average value) mín Nm 1.5 Tightening torque for terminals min Nm 1.5 Tightening torque for coil terminal min Nm 1.5 Tightening torque for coil terminal min Nm 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 1.5 Max number of wires simultaneously connectable Nr. 2 Conductor section max 10 Flexible w/o lug conductor section min mm² 1 Flexible					
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$					
Protection fuse gG (IEC) A 25 Making capacity (RMS value) A 120 Breaking capacity at voltage 440V A 96 500V A 96 500V A 96 Resistance per pole (average value) mΩ 2.5 Power dissipation per pole (average value) mΩ 2.5 Power dissipation per pole (average value) Ith W 2 Tightening torque for terminals min Nm 1.5 Tightening torque for coil terminals min Nm 1.5 max Nm 1.8 Tightening torque for coil terminal min Nm 1.5 1.5 Tightening torque for coil terminal min Nm 1.6 1.1 max Nm 1 max 1.0 1.5 Tightening torque for coil terminal min Nm 1.8 1.1 Max number of wires simultaneously connectable Nr. 2 2 Conductor section Nr. 2 Conductor section max	<u></u>		690V		
$\frac{\text{gG (IEC)}}{\text{Making capacity (RMS value)}} = \frac{\text{gG (IEC)}}{\text{A}} = \frac{25}{120}$ Breaking capacity at voltage $\frac{440V}{500V} = A = 96$ 500V A 96 690V A 94 Resistance per pole (average value) m\Omega 2.5 Power dissipation per pole (average value) U Tightening torque for terminals $\frac{\text{min}}{\text{Tightening torque for terminals}} = \frac{\text{min}}{1.5}$ Tightening torque for coil terminal $\frac{\text{min}}{\text{Tightening torque for coil terminal}} = \frac{\text{min}}{1.5}$ $\frac{\text{min}}{\text{Tightening torque for coil terminal}} = \frac{\text{min}}{1.5}$ $\frac{\text{min}}{\text{max}} = \frac{\text{Nm}}{1.5}$ $\frac{\text{min}}{\text{max}} = \frac{\text{Nm}}{1.5}$ $\frac{\text{min}}{\text{max}} = \frac{\text{Nm}}{1.5}$ $\frac{\text{min}}{1.5}$ $\frac{\text{min}}{1.5} = \frac{\text{min}}{1.5}$ $\frac{\text{min}}{1.5} = \frac{1.5}{1.5}$ $\frac{1.5}{1.5} = \frac{1.5}{1$		current for 10s (IEC/EN60947-1)		A	150
Making capacity (RMS value) A 120 Breaking capacity at voltage 440V A 96 500V A 96 690V A 94 Resistance per pole (average value) mΩ 2.5 Power dissipation per pole (average value) Ith W 2 Tightening torque for terminals min Nm 1.5 max Nm 1.8 min Ibin 1.1 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Max number of wires simultaneously connectable Nr. 2 Conductor section Nr. 2 Conductor section max 10 Texible w/o lug conductor section max 10 Flexible c/w lug conductor section min mm²	Protection fuse				
Breaking capacity at voltage 440V A 96 500V A 96 690V A 94 Resistance per pole (average value) Power dissipation per pole (average value) mn 2.5 Power dissipation per pole (average value) Tightening torque for terminals min Nm 1.5 max Nm 1.5 Tightening torque for coil terminal min Nm 1.5 Tightening torque for coil terminal min Nm 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 1.5 Tightening torque for wires simultaneously connectable Nr. 2 Conductor section Max number of wires simultaneously connectable Nr. 2 Conductor section max 10 10 Flexible w/o lug conductor section min mm² 1 max min mm²			gG (IEC)		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				A	120
500V A 96 690V A 94 Resistance per pole (average value) mΩ 2.5 Power dissipation per pole (average value) Ith W 2 Tightening torque for terminals min Nm 1.5 max Nm 1.8 min 1.1 max Ibin 1.1 max 1.5 Tightening torque for coil terminal min Nm 0.8 max Tightening torque for coil terminal Nm 0.8 max Nm 1 Max number of wires simultaneously connectable Nr. 2 Conductor section Nr. 2 Kexible w/o lug conductor section max 10 10 10 Flexible w/o lug conductor section min min mm² 1 max mm mm² 1 1	Breaking capacity at v	oltage			
690V A 94 Resistance per pole (average value) mΩ 2.5 Power dissipation per pole (average value) Ith W 2 Tightening torque for terminals min Nm 1.5 max Nm 1.8 min Ibin 1.1 max Ibin 1.5 Tightening torque for coil terminal 1.5 Tightening torque for coil terminal min Nm 1.8 Tightening torque for coil terminal min Nm 0.8 Tightening torque for coil terminal min Nm 0.8 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 10 Tightel w/o lug conductor section min mm² 1 Flexible w/o lug conductor section min mm² 1 1					
Resistance per pole (average value) mΩ 2.5 Power dissipation per pole (average value) Ith W 2 Tightening torque for terminals min Nm 1.5 max Nm 1.8 min Ibin 1.1 max Ibin 1.5 1.5 1.5 Tightening torque for coil terminal min Nm 0.8 Tightening torque for coil terminal min Nm 0.8 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section min mm² 1 max mm² 1 max mm² 6					
Power dissipation per pole (average value) Ith W 2 Tightening torque for terminals min Nm 1.5 max Nm 1.8 min Ibin 1.1 max Ibin 1.5 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 1.5 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 1.5 1.5 Tightening torque for coil terminal max Nm 1.5 Max number of wires simultaneously connectable Nr. 2 2 Conductor section max 10 10 Flexible w/o lug conductor section min max 10 Flexible c/w lug conductor section max 1 1			690V		
Ith W 2 Tightening torque for terminals min Nm 1.5 max Nm 1.8 min Ibin 1.1 max Ibin 1.5 1.5 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Max number of wires simultaneously connectable Nr. 2 2 2 Conductor section Max 10 10 10 Flexible w/o lug conductor section min mm² 1 max min mm² 1 1 Flexible c/w lug conductor section min mm² 1				mΩ	2.5
Tightening torque for terminals min Nm 1.5 max Nm 1.8 min 1bin 1.1 max Ibin 1.5 1.5 1.5 Tightening torque for coil terminal min Nm 0.8 1.6 Tightening torque for coil terminal min Nm 0.8 1.6 Max number of wires simultaneously connectable Nr 1 1 Conductor section Nr. 2 2 Conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section min mm² 1 max mm² 6 1	Power dissipation per	pole (average value)			
min Nm 1.5 max Nm 1.8 min Ibin 1.1 max Ibin 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 nmax Nm 1 Max number of wires simultaneously connectable Nr. 2 2 Conductor section Max 10 10 Flexible w/o lug conductor section min mm² 1 max mm² 1 6			Ith	W	2
max Nm 1.8 min Ibin 1.1 max Ibin 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibin 0.8 max Nm 1 min Ibin 0.8 max Nm 1 min Ibin 0.8 max Ibin 0.74 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section max 10 Flexible w/o lug conductor section min mm² 1 max mm² 1 max mm² 6 Flexible c/w lug conductor section	Tightening torque for t	erminals			
min lbin 1.1 max lbin 1.5 Tightening torque for 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 Nr. 2 AWG/Kcmil max 10 Flexible w/o lug conductor section min mm² Max mm² 1 max mm² 6			min	Nm	1.5
max Ibin 1.5 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibin 0.8 max Ibin 0.8 max Ibin 0.8 max Ibin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section Nr. 2 AWG/Kcmil max 10 Flexible w/o lug conductor section min mm² max mm² 1 Flexible c/w lug conductor section min mm² Flexible c/w lug conductor section min mm²			max	Nm	1.8
Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibin 0.8 max Ibin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section Nr. 2 Flexible w/o lug conductor section max 10 Flexible w/o lug conductor section min mm² Flexible c/w lug conductor section Flexible c/w lug conductor section			min	lbin	1.1
min Nm 0.8 max Nm 1 min Ibin 0.8 max Ibin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section Nr. 2 AWG/Kcmil max 10 Flexible w/o lug conductor section min mm² max mm² 1 Flexible c/w lug conductor section min mm²			max	lbin	1.5
max Nm 1 min Ibin 0.8 max Ibin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section Nr. 2 AWG/Kcmil max 10 Flexible w/o lug conductor section min mm² Min mm² 1 Flexible c/w lug conductor section min mm² Flexible c/w lug conductor section 10	Tightening torque for a	coil terminal			
min lbin 0.8 max lbin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil 10 Flexible w/o lug conductor section max 10 Flexible w/o lug conductor section max 10 Flexible c/w lug conductor section Flexible c/w lug conductor section 10			min	Nm	0.8
max Ibin 0.74 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil 10 Flexible w/o lug conductor section max 10 Flexible c/w lug conductor section max 6 Flexible c/w lug conductor section Flexible c/w lug conductor section 0.74			max	Nm	
Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section min mm² 1 Max mm² 6 6 6			min	lbin	0.8
Conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section min mm² 1 max mm² 6 6 Flexible c/w lug conductor section Flexible c/w lug conductor section 6			max	lbin	
AWG/Kcmil max 10 Flexible w/o lug conductor section min mm ² 1 max mm ² 6 Flexible c/w lug conductor section	Max number of wires	simultaneously connectable		Nr.	2
max 10 Flexible w/o lug conductor section min mm² 1 max mm² 6 Flexible c/w lug conductor section	Conductor section				
Flexible w/o lug conductor section min mm ² 1 max mm ² 6 Flexible c/w lug conductor section		AWG/Kcmil			
min mm ² 1 max mm ² 6 Flexible c/w lug conductor section			max		10
max mm ² 6 Flexible c/w lug conductor section		Flexible w/o lug conductor section			
Flexible c/w lug conductor section			min	mm²	1
•			max	mm²	6
•		Flexible c/w lug conductor section			
			min	mm²	1

BFK1210A12060 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



BFK1210A12060 CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR,

COIL 120VAC 60HZ

	max	mm²	4
Flexible with insulated spade lug conductor section		1	4
	min max	mm² mm²	1 4
	mdx	111111	IP20 when
Power terminal protection according to IEC/EN 60529			properly wired
Mechanical features			
Operating position			Mantiagladaa
	normal allowable		Vertical plan ±30°
	allowable		 Screw / DIN rai
Fixing			35mm
Weight		g	416
Conductor section			
AWG/kcmil conductor section			
	max		10
Auxiliary contact characteristics			
Thermal current Ith		A	10
IEC/EN 60947-5-1 designation			A600 - P600
Operating current AC15			2
	230V	A	3
	400V	A	1.9
Operating current DC12	500V	A	1.4
Operating current DC12	110V	А	5.7
Operating current DC13	1100	Α	5.7
	24V	А	5.7
	48V	A	2.9
	60V	A	2.3
	110V	А	1.25
	125V	А	1.1
	220V	А	0.6
	600V	А	0.1
Operations			
Mechanical life		cycles	2000000
Electrical life		cycles	400000
Safety related data			
Performance level B10d according to EN/ISO 13489-1			400000
	rated load	cycles	400000
Mirror contate according to IEO/EN CO0474.4.4	mechanical load	cycles	20000000
Mirror contats according to IEC/EN 609474-4-1 EMC compatibility			YES
AC coil operating			yes
Rated AC voltage at 60Hz		V	120
AC operating voltage		v	120
of 60Hz coil powered at 60Hz			
pick-up			
	min	%Us	80
	max	%Us	110
drop-out			
	min	%Us	20
	max	%Us	55



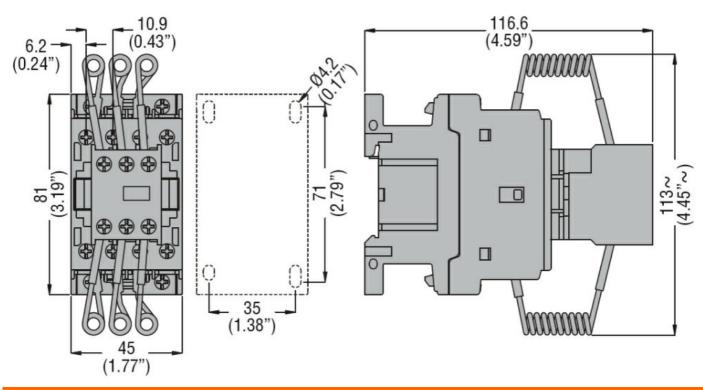
BFK1210A12060 CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR,

COIL 120VAC 60HZ

	of 60Hz coil powered a	at 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			
			min	ms	14
			max	ms	28
UL technical data					
General USE					
	Contactor				
			AC current	А	28
	Auxiliary contacts				
			AC voltage	V	600
			AC current	А	10
			DC voltage	V	250
			DC current	А	1
Contact rating of auxilia	ary contacts according to	UL			A600 - P600
Ambient conditions					
Temperature					
	Operating temperature				
			min	°C	-50
			max	°C	70
	Storage temperature				
			min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protectic	on				
Pollution degree					3
Dimensions [mm (in)]					



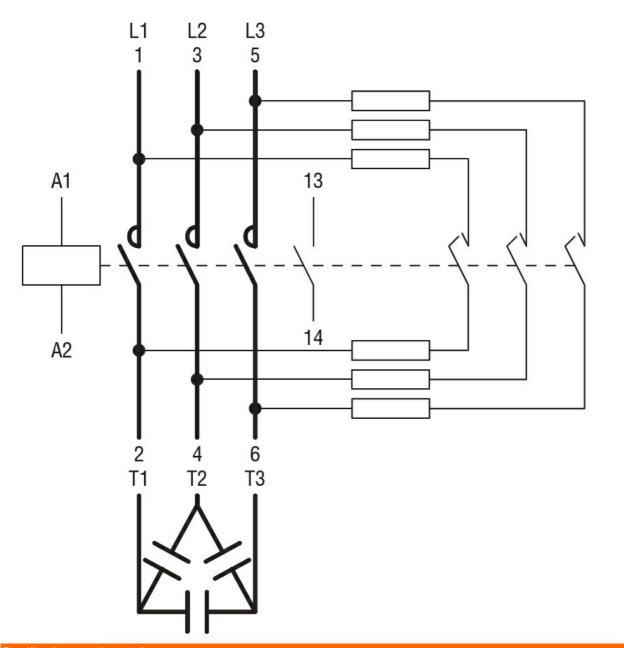
CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, Electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, AND AUTOMATION COIL 120VAC 60HZ





CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, COIL 120VAC 60HZ

ENERGY AND AUTOMATION



Certifications and compliance

Comp	liance
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ompliance		
	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	
ertificates		
	CCC	
	cULus	
	EAC	
TIM classification		
		EC001079 -
TIM 8.0		Capacitor

contactor

ENERGY AND AUTOMATION

CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, COIL 220VAC 60HZ



BFK1210A22060

				_
Product designation	·			Power contactor
Product type designat				BFK12
Contact characteristic	S <u> </u>		Nie	3
Number of poles			Nr. V	<u> </u>
Rated insulation voltage			kV	6
Operational frequency			κv	0
Operational frequency		min	Hz	25
		max	Hz	400
IEC Conventional free	air thermal current Ith	max	A	28
Rated operational pov			7	20
		230V	kvar	7
		400V	kvar	, 12.5
		440480V	kvar	14
		690V	kvar	16
Short-time allowable of	current for 10s (IEC/EN60947-1)		A	150
Protection fuse				
		gG (IEC)	А	25
Making capacity (RMS	Svalue)	<u> </u>	А	120
Breaking capacity at v				
0 1 2	ů	440V	А	96
		500V	А	96
		690V	А	94
Resistance per pole (a	average value)		mΩ	2.5
Power dissipation per	pole (average value)			
		lth	W	2
Tightening torque for t	erminals			
		min	Nm	1.5
		max	Nm	1.8
		min	lbin	1.1
		max	lbin	1.5
Tightening torque for o	coil terminal			
		min	Nm	0.8
		max	Nm	1
		min	lbin	0.8
		max	Ibin	0.74
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		max		10
	Flexible w/o lug conductor section			4
		min	mm²	1
		max	mm²	6
	Flexible c/w lug conductor section	!		4
		min	mm²	1

BFK1210A22060 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



BFK1210A22060 CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR,

COIL 220VAC 60HZ

	max	mm²	4
Flexible with insulated spade lug conductor secti	on		
	min	mm²	1
	max	mm²	4
Power terminal protection according to IEC/EN 60529			IP20 when properly wired
Mechanical features			
Operating position			
	normal allowable		Vertical plan ±30°
Fixing			Screw / DIN rail 35mm
Weight		g	406
Conductor section		0	
AWG/kcmil conductor section			
	max		10
Auxiliary contact characteristics			
Thermal current Ith		А	10
EC/EN 60947-5-1 designation			A600 - P600
Operating current AC15			
	230V	А	3
	400V	А	1.9
	500V	А	1.4
Operating current DC12	110V	A	5.7
Operating current DC13	1100	7	0.7
	24V	А	5.7
	48V	A	2.9
	60V	A	2.3
	110V	A	1.25
	125V	A	1.1
	220V	А	0.6
	600V	A	0.1
Operations			
Mechanical life		cycles	20000000
Electrical life		cycles	400000
Safety related data			
Performance level B10d according to EN/ISO 13489-1			
	rated load	cycles	400000
	mechanical load	cycles	20000000
Mirror contats according to IEC/EN 609474-4-1			YES
EMC compatibility			yes
AC coil operating			
Rated AC voltage at 60Hz		V	220
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



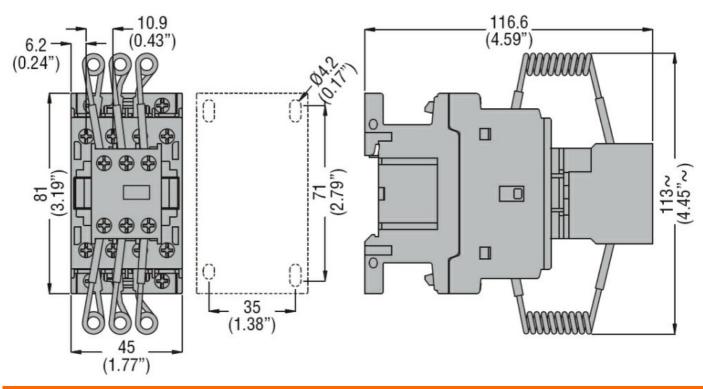
BFK1210A22060 CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR,

COIL 220VAC 60HZ

	of 60Hz coil powered at 60Hz	2			
	·		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				
	Closi	ng NO			
		0	min	ms	8
			max	ms	24
	Oper	ning NO			
		Ū	min	ms	10
			max	ms	20
	Closi	ng NC			
		0	min	ms	14
			max	ms	28
UL technical data					
General USE					
	Contactor				
			AC current	А	28
	Auxiliary contacts				
			AC voltage	V	600
			AC current	А	10
			DC voltage	V	250
			DC current	А	1
Contact rating of auxilia	ary contacts according to UL				A600 - P600
Ambient conditions					
Temperature					
•	Operating temperature				
			min	°C	-50
			max	°C	70
	Storage temperature				
	3		min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protection	on				
Pollution degree					3
Dimensions [mm (in)]					



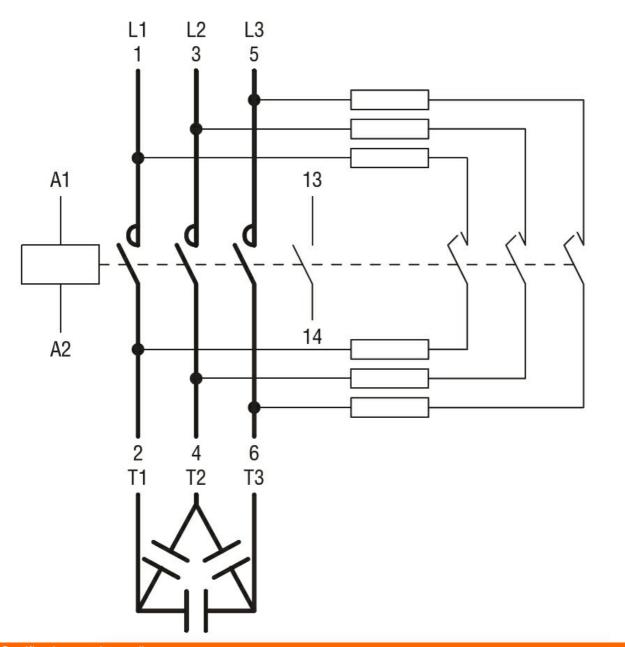
CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, Electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, AND AUTOMATION COIL 220VAC 60HZ





CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, COIL 220VAC 60HZ

ENERGY AND AUTOMATION



Certifications and compliance

Com	oliance
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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

contactor



BFK1210A23060 CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, COIL 230VAC 60HZ



				1.2483
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)		Α	150
Protection fuse				
		gG (IEC)	А	25
Making capacity (RMS	Svalue)	3 ()	Α	120
Breaking capacity at v	•			
		440V	А	96
		500V	A	96
		690V	A	94
Resistance per pole (a	average value)	0001	mΩ	2.5
Power dissipation per			11132	2.0
	polo (avolago valao)	lth	W	2
Tightening torque for t	erminals		••	2
rightening torque for t		min	Nm	1.5
		max	Nm	1.8
		min	Ibin	1.1
		max	Ibin	1.5
Tightening torque for a	coil terminal	Παλ		1.5
rightening torque for t	Son terminar	min	Nm	0.8
			Nm	1
		max		
		min	Ibin	0.8
		max	Ibin	0.74
	simultaneously connectable		Nr.	2
Conductor section	AMC/Kamil			
	AWG/Kcmil			10
	Elevitete ande terre en elevitete en elevitete	max		10
	Flexible w/o lug conductor section			4
		min	mm²	1
		max	mm²	6
	Flexible c/w lug conductor section		-	
		min	mm²	1



BFK1210A23060 CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR,

COIL 230VAC 60HZ

	max	mm²	4
Flexible with insulated spade lug conductor	r section		
	min	mm²	1
	max	mm²	4
Power terminal protection according to IEC/EN 60529			IP20 when properly wired
Mechanical features			
Operating position			
	normal allowable		Vertical plan ±30°
Fixing			Screw / DIN rail 35mm
Weight		g	418
Conductor section			
AWG/kcmil conductor section			
	max		10
Auxiliary contact characteristics			
Thermal current lth		Α	10
IEC/EN 60947-5-1 designation			A600 - P600
Operating current AC15		<u>.</u>	
	230V	A	3
	400V	A	1.9
Operating current DC12	500V	A	1.4
	110V	А	5.7
Operating current DC13			
	24V	А	5.7
	48V	A	2.9
	60V	A	2.3
	110V	A	1.25
	125V 220V	A A	1.1 0.6
	220V 600V	A	0.0
Operations	000 v	A	0.1
Mechanical life		cycles	20000000
Electrical life		cycles	400000
Safety related data		eyelee	100000
Performance level B10d according to EN/ISO 13489-1			
5	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	230
AC operating voltage			
of 60Hz coil powered at 60Hz			
pick-up			
	min	%Us	80
	max	%Us	110
drop-out		0/11-	20
	min max	%Us %Us	20 55
AC average coil consumption at 20°C	Παλ	/003	50



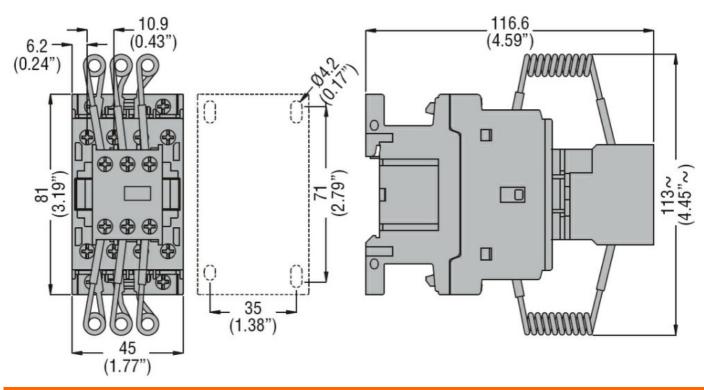
BFK1210A23060 CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR,

COIL 230VAC 60HZ

	of 60Hz coil powered at 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	ntrol			
	in AC			
	Closing NO			
	-	min	ms	8
		max	ms	24
	Opening NO			
		min	ms	10
		max	ms	20
	Closing NC			
	-	min	ms	14
		max	ms	28
UL technical data				
General USE				
	Contactor			
		AC current	А	28
	Auxiliary contacts			
		AC voltage	V	600
		AC current	А	10
		DC voltage	V	250
		DC current	А	1
Contact rating of auxilia	ary contacts according to UL			A600 - P600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Protectio	n			
Pollution degree				3
Dimensions [mm (in)]				



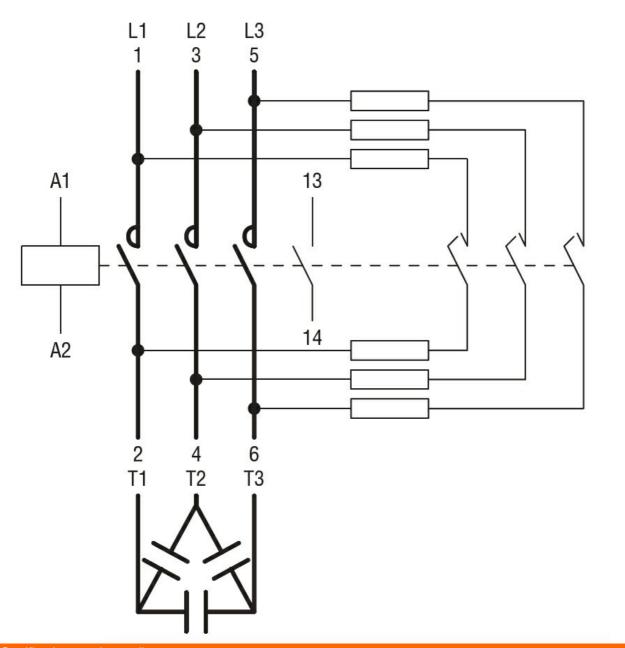
CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, Electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, AND AUTOMATION COIL 230VAC 60HZ





CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, COIL 230VAC 60HZ

ENERGY AND AUTOMATION



Certifications and compliance

Comp	liance
Comp	nanoc

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

contactor

ENERGY AND AUTOMATION

CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, COIL 460VAC 60HZ



BFK1210A46060

Product designation Product type designation			Power contactor BFK12
Contact characteristics			BIIRIE
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Operational frequency			
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		А	28
Rated operational power AC-6b (T≤40°C)			
	230V	kvar	7
	400V	kvar	12.5
	440480V	kvar	14
	690V	kvar	16
Short-time allowable current for 10s (IEC/EN60947-1)		A	150
Protection fuse			
	gG (IEC)	A	25
Making capacity (RMS value)		Α	120
Breaking capacity at voltage			
	440V	A	96
	500V	A	96
	690V	A	94
Resistance per pole (average value)		mΩ	2.5
Power dissipation per pole (average value)	144-	14/	0
Tichtoning town to town old	Ith	W	2
Tightening torque for terminals	min	Nim	1 E
	min	Nm Nm	1.5 1.8
	max min	Ibin	1.0
	max	Ibin	1.5
Tightening torque for coil terminal	Παλ		1.5
	min	Nm	0.8
	max	Nm	1
	min	Ibin	0.8
	max	Ibin	0.74
Max number of wires simultaneously connectable	max	Nr.	2
Conductor section			-
AWG/Kcmil			
	max		10
Flexible w/o lug conductor section			-
	min	mm²	1
	max	mm²	6
Flexible c/w lug conductor section			
	min	mm²	1

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BFK1210A46060 CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR,

COIL 460VAC 60HZ

tion		4
min	mm²	1
max	mm²	4
		IP20 when
		properly wired
		Vertical plan
allowable		±30°
		Screw / DIN rail 35mm
	0	428
	y	420
mov		10
IIIdX		
	Δ	10
	П	A600 - P600
		7000 - 1 000
2201/	Δ	3
		1.9
		1.4
0001		1.7
110\/	Δ	5.7
1100		0.7
24\/	Δ	5.7
		2.9
		2.3
		1.25
		1.1
		0.6
		0.1
	cvcles	20000000
	-	400000
	• • • • •	
rated load	cycles	400000
mechanical load	-	20000000
	,	YES
		yes
		·
	V	460
min	%Us	80
min max	%Us %Us	80 110
		allowable g max A A A A A A A A A A A A A



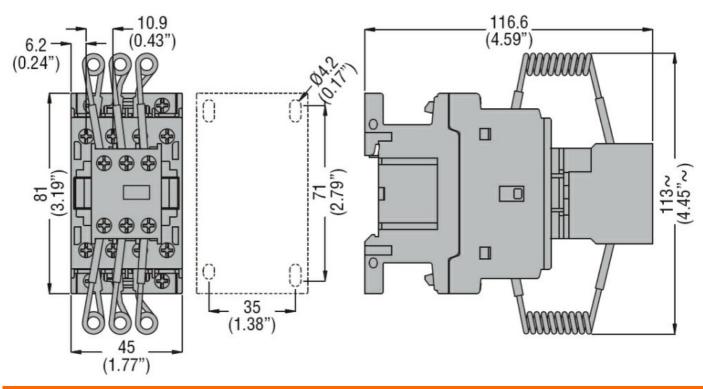
BFK1210A46060 CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR,

COIL 460VAC 60HZ

	of 60Hz coil powered a	it 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			
			min	ms	14
			max	ms	28
UL technical data					
General USE					
	Contactor				
			AC current	А	28
	Auxiliary contacts				
			AC voltage	V	600
			AC current	А	10
			DC voltage	V	250
			DC current	А	1
Contact rating of auxilia	ary contacts according to	UL			A600 - P600
Ambient conditions					
Temperature					
	Operating temperature				
			min	°C	-50
			max	°C	70
	Storage temperature				
			min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protectic	on in in in its second s				
Pollution degree					3
Dimensions [mm (in)]					



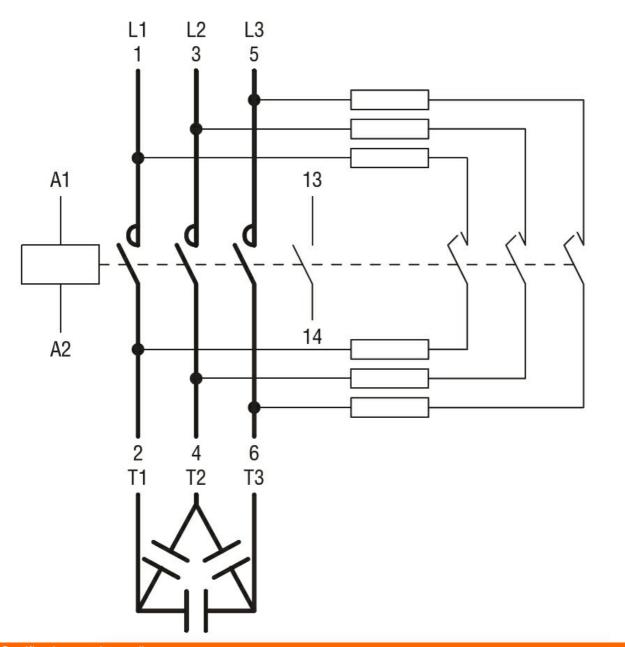
CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, Electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, AND AUTOMATION COIL 460VAC 60HZ





CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, COIL 460VAC 60HZ

ENERGY AND AUTOMATION



Certifications and compliance

Comp	liance
Comp	nanoc

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		
	000	
	cULus	
	EAC	
ETIM classification		
		EC001079 -
ETIM 8.0		Capacitor

contactor



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



				1.2443
Product designation				Power contactor
Product type designat	tion			BFK12
Contact characteristic	S			
Number of poles			Nr.	3
Rated insulation voltage	ge Ui IEC/EN		V	690
Rated impulse withsta	ind voltage Uimp		kV	6
Operational frequency				
		min	Hz	25
		max	Hz	400
IEC Conventional free	air thermal current Ith		Α	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)		A	150
Protection fuse				
		gG (IEC)	А	25
Making capacity (RMS	Svalue)	90 (A	120
Breaking capacity at v				
		440V	А	96
		500V	A	96
		690V	A	94
Resistance per pole (a	average value)	0001	mΩ	2.5
Power dissipation per				2.0
	polo (aronago raido)	lth	W	2
Tightening torque for t	terminals		••	-
		min	Nm	1.5
		max	Nm	1.8
		min	Ibin	1.1
		max	Ibin	1.5
Tightening torque for a	coil terminal	max	10111	1.0
rightening torque for t		min	Nm	0.8
		max	Nm	1
		min	Ibin	0.8
		max	Ibin	0.74
Max number of wires	simultaneously connectable	IIIdA	Nr.	2
Conductor section			INI.	2
Conductor Section	AWG/Kcmil			
		mov		10
	Elevible w/e lug conductor costion	max		10
	Flexible w/o lug conductor section		mm^2	1
		min	mm²	1
		max	mm²	6
	Flexible c/w lug conductor section		2	4
		min	mm²	1



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

COIL 575VAC 60HZ

	max	mm²	4
Flexible with insulated spade lug conductor section	on		
	min	mm²	1
	max	mm²	4
Power terminal protection according to IEC/EN 60529			IP20 when properly wired
Mechanical features			
Operating position			
	normal allowable		Vertical plan ±30°
Fixing			Screw / DIN rail 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		<u>.</u>	
	230V	A	3
	400V	A	1.9
Operating ourrest DC12	500V	A	1.4
Operating current DC12	110V	А	5.7
Operating current DC13			
	24V	А	5.7
	48V	A	2.9
	60V 110V	A	2.3 1.25
	110V 125V	A A	1.25
	220V	A	0.6
	600V	A	0.1
Operations	0001	Λ	0.1
Mechanical life		cycles	20000000
Electrical life		cycles	400000
Safety related data		.,	
Performance level B10d according to EN/ISO 13489-1			
ũ	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			
	min	%Us	80
	max	%Us	110
drop-out			
	min	%Us	20
AC average coil consumption at 20°C	max	%Us	55



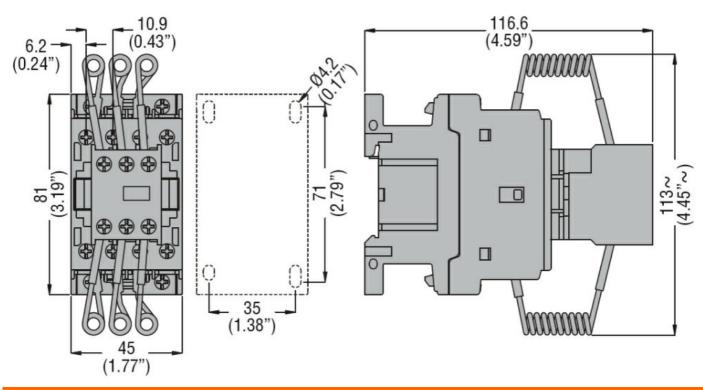
BFK1210A57560 CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR,

COIL 575VAC 60HZ

	of 60Hz coil powered at 60	0Hz			
	·		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	ntrol				
-	in AC				
	CI	losing NO			
		-	min	ms	8
			max	ms	24
	O	pening NO			
		-	min	ms	10
			max	ms	20
	CI	losing NC			
		-	min	ms	14
			max	ms	28
UL technical data					
General USE					
	Contactor				
			AC current	А	28
	Auxiliary contacts				
	-		AC voltage	V	600
			AC current	А	10
			DC voltage	V	250
			DC current	А	1
Contact rating of auxilia	ry contacts according to UL	_			A600 - P600
Ambient conditions					
Temperature					
	Operating temperature				
			min	°C	-50
			max	°C	70
	Storage temperature				
			min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protectio	n				
Pollution degree					3
Dimensions [mm (in)]					



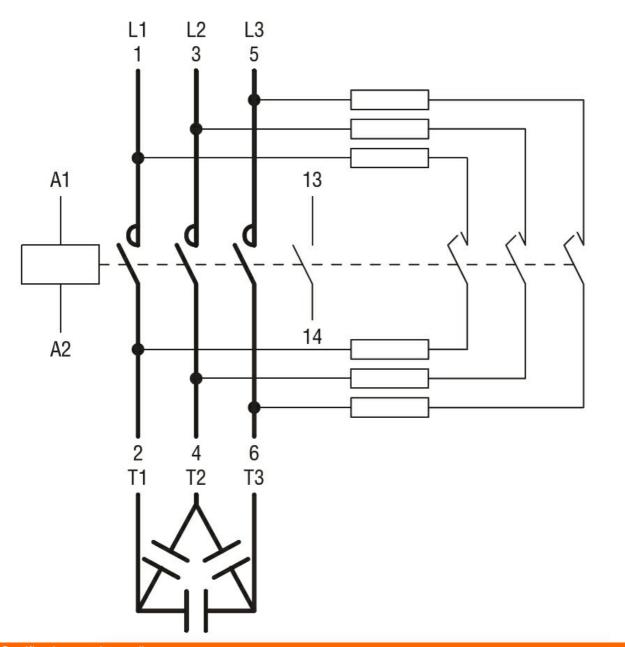
CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, Electric INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 12.5KVAR, AND AUTOMATION COIL 575VAC 60HZ





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

ENERGY AND AUTOMATION



Certifications and compliance

Comp	liance
Comp	nanoc

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