## BFK3800A230



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 30KVAR, COIL 230VAC 50/60HZ



				<b>D</b>
Product designation	4			Power contactor
Product type designa Contact characteristic				BFK38
	5		Nie	3
Number of poles			Nr. V	
Rated insulation volta	-		kV	690
Rated impulse withsta	· · ·		KV	6
Operational frequency	y			05
		min	Hz	25
		max	Hz	400
	e air thermal current Ith		A	56
Rated operational por	Wer AC-6b $(1 \leq 40^{\circ}C)$	0001/	I	47
		230V	kvar	17
		400V	kvar	30
		440480V	kvar	33
		690V	kvar	36
	current for 10s (IEC/EN60947-1)		A	320
Protection fuse		o ((= o)		
		gG (IEC)	A	63
Making capacity (RMS			А	380
Breaking capacity at v	voltage			
		440V	A	304
		500V	A	240
		690V	A	192
Resistance per pole (average value)			mΩ	2
Power dissipation per	pole (average value)			
		Ith	W	6
Tightening torque for	terminals			
		min	Nm	2.5
		max	Nm	3
		min	lbin	1.8
		max	lbin	2.2
Tightening torque for	coil terminal			
		min	Nm	0.8
		max	Nm	1
		min	lbin	0.59
		max	Ibin	0.74
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		max		6
	Flexible w/o lug conductor section			
		min	mm²	2.5
		max	mm²	16
	Flexible c/w lug conductor section			
		min	mm²	1

BFK3800A230

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

ovato

ENERGY AND AUTOMATION

CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 30KVAR, COIL 230VAC 50/60HZ

BFK3800A230

		may	mm²	10
	Flexible with insulated spade lug conductor	max section	11111	10
		min	mm²	1
		max	mm²	10
Power terminal protect	ction according to IEC/EN 60529			IP20 when properly wired
Mechanical features				F. F. F. F. J F.
Operating position				
		normal allowable		Vertical plan ±30°
Fixing				Screw / DIN rail 35mm
Weight			g	400
Conductor section				
	AWG/kcmil conductor section			
		max		6
Operations				
Mechanical life			cycles	2000000
Electrical life			cycles	1400000
Safety related data	And according to ENVISO 42490.4			
Performance level B1	10d according to EN/ISO 13489-1	rated load	ovelee	400000
		mechanical load	cycles cycles	2000000
EMC compatibility		mechanicarioau	Cycles	yes
AC coil operating				yes
Rated AC voltage at s	50/60Hz		V	230
AC operating voltage				
1 0 0	of 50/60Hz coil powered at 50Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	55
	of 50/60Hz coil powered at 60Hz			
	pick-up	min	%Us	85
		max	%Us	110
	drop-out	Шах	/000	110
	a op oat	min	%Us	20
		max	%Us	55
AC average coil cons	umption 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	7
	of 60Hz coil powered at 60Hz	in winh	\/A	75
		in-rush	VA VA	75 9
Dissipation at holding	<20°C 50Hz	holding	W	9 2.5
Max cycles frequency			vv	2.0
Mechanical operation			cycles/h	3600
			-,	

BFK3800A230 The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 30KVAR,

COIL 230VAC 50/60HZ

Π

BFK3800A230

Operating times					
Average time for Us co	ontrol				
Average time for 05 ce	in AC				
	III AC	Closing NO			
			min	ms	8
			max	ms	24
		Opening NO		1115	24
		Opening NO	min	ms	5
				ms	5 15
			max	ms	15
		Closing NC	min	ma	9
			min	ms	9 20
UL technical data			max	ms	20
General USE					
General USE	0				
	Contactor			•	50
A set to set a Pitta set			AC current	А	56
Ambient conditions					
Temperature					
	Operating temperature	1			
			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					
1	4.6		125.5		
	4.0 .57")		(4.94")		
(0.31")			(1.01)	00000000	
	(9)	AN		puuuu	KA I T
	M	× 10.			
		41			
<b>₩</b>					

Wiring diagrams

54

3

3 0

- 45 (1.77")

BFK3800A230

80 (3.15")

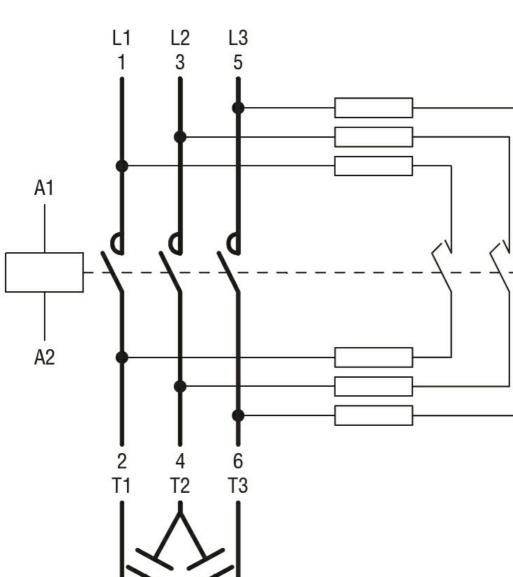
- 35 (1.38")

123~ (4.84"~)

BFK3800A230



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 30KVAR, COIL 230VAC 50/60HZ



## Certifications and compliance

Complia	ance
---------	------

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