## BFK3200A024



CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 25KVAR, COIL 24VAC 50/60HZ



Droduct de ciercetica				Devier contector
Product designation	i			Power contactor
Product type designat				BFK32
Contact characteristic	S		Nla	2
Number of poles			Nr.	3
Rated insulation voltage			V	690
Rated impulse withsta			kV	6
Operational frequency	1			~ <b>-</b>
		min	Hz	25
		max	Hz	400
	air thermal current Ith		A	56
Rated operational pov	ver AC-6b (T≤40°C)			
		230V	kvar	14
		400V	kvar	25
		440480V	kvar	27.5
		690V	kvar	30
Short-time allowable of	current for 10s (IEC/EN60947-1)		А	320
Protection fuse				
		gG (IEC)	А	63
Making capacity (RMS	s value)		А	320
Breaking capacity at v	oltage			
		440V	А	256
		500V	А	240
		690V	А	192
Resistance per pole (a	average value)		mΩ	2
Power dissipation per	-			
		lth	W	6
Tightening torque for t	erminals			<u> </u>
nginoning torquo for t		min	Nm	2.5
		max	Nm	3
		min	Ibin	1.8
		max	Ibin	2.2
Tightening torque for a	coil terminal	Пал	10111	2.2
		min	Nm	0.8
		max	Nm	1
		min	Ibin	0.59
			Ibin	
Max number of wires		max		0.74
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			0
		max		6
	Flexible w/o lug conductor section		2	o -
		min	mm²	2.5
		max	mm²	16
	Flexible c/w lug conductor section		~	
		min	mm²	1

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		max	mm²	10
	Flexible with insulated spade lug conductor section			
		min	mm²	1
		max	mm²	10
	ction 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	400
Conductor section				
	AWG/kcmil conductor section			
		max		6
Operations			a	20000000
Mechanical life Electrical life			cycles	20000000 1600000
Safety related data			cycles	1600000
· · · · ·	0d according to EN/ISO 13489-1			
	5	rated load	cycles	400000
	mecha	anical load	cycles	2000000
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 8			V	24
AC operating voltage	of 50/60Hz coil powered at 50Hz			
	pick-up			
		min	%Us	80
	drop out	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		0/11-	20
		min max	%Us %Us	20 55
AC average coil cons	umption at 20°C	Шал	/003	
2	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
	of 60Hz poil powered at 60Hz	holding	VA	7
	of 60Hz coil powered at 60Hz	in-rush	VA	75
		holding	VA VA	9
Dissipation at holding	≤20°C 50Hz	lioiaing	W	2.5
Max cycles frequency	/			
Mechanical operation			cycles/h	3600

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Operating times					
Average time for Us control					
in AC					
	Closing NO	min	ms	8	
		max	ms	24	
	Opening NC				
		min	ms	5	
	Closing NC	max	ms	15	
	Clocking ite	min	ms	9	
		max	ms	20	
UL technical data					
General USE Conta	actor				
Conte		AC current	А	56	
Ambient conditions					
Temperature					
Opera	ating temperature	min	°C	-50	
		max	°C	-50 70	
Stora	ge temperature		_	-	
		min	°C	-60	
Max altitude		max	°C	80	
Resistance & Protection			m	3000	
Pollution degree				3	
Dimensions					
7.9 - (0.57") (0.31") $(4.94")$					
(3.54 °)	(3.15")				123~ (4.84"~)

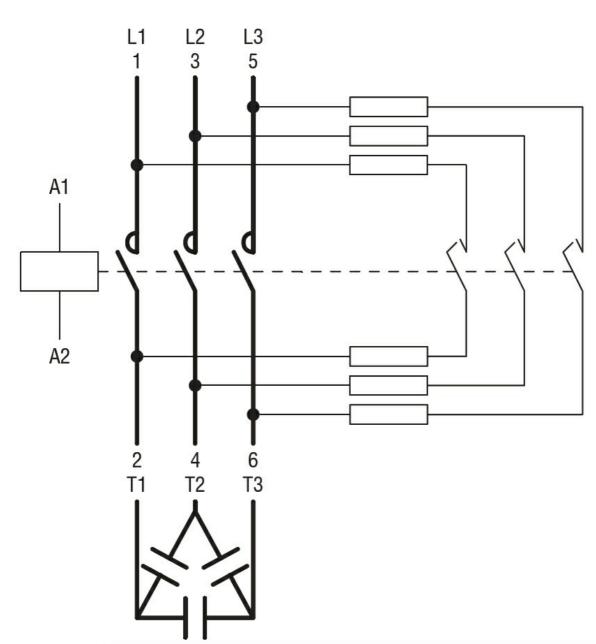
Wiring diagrams

45 (1.77") - 35 (1.38")

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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

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contactor