



Product designation				Power contactor
Product type designat				BFK18
Contact characteristic	S		N.I.	^
Number of poles	LIVIEO/EN		Nr.	3
Rated insulation voltage	-		V	690
Rated impulse withsta	• •		kV	6
Operational frequency	1			
		min	Hz	25
		max	Hz	400
IEC Conventional free	air thermal current Ith		Α	32
Rated operational pov	ver AC-6b (T≤40°C)			
		230V	kvar	9
		400V	kvar	15
		440480V	kvar	17
		690V	kvar	20
Short-time allowable of	current for 10s (IEC/EN60947-1)		Α	200
Protection fuse	,			
		gG (IEC)	Α	40
Making capacity (RMS	(auley	90 (120)	A	180
Breaking capacity at v	·			100
breaking capacity at v	ollage	440V	Α	144
		500V	A	120
Desistance representation (690V	Α	94
	Resistance per pole (average value)		mΩ	2.5
Power dissipation per	pole (average value)			
		Ith	W	2.6
Tightening torque for t	terminals			
		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	lbin	0.74
Max number of wires	simultaneously connectable		Nr.	2
Conductor section	,			
	AWG/Kcmil			
		max		10
	Flexible w/o lug conductor section	max		
	1. ISAISIO W/O lag Colladotol Section	min	mm²	1
		max	mm²	6
	Flexible c/w lug conductor section	IIIdX	111111	<u> </u>
	r revible c/w rug corrudctor section	min	mm²	1
		min	mm²	1





	max	mm²	4
Flexible with insulated spade lug conductor se	ection		
	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	418
Conductor section			
AWG/kcmil conductor section			
A 11	max		10
Auxiliary contact characteristics		^	10
Thermal current Ith		A	10 4600 B600
IEC/EN 60947-5-1 designation			A600 - P600
Operating current AC15	230V	Α	3
	400V	A	1.9
	500V	A	1.4
Operating current DC12			
	110V	Α	5.7
Operating current DC13			
	24V	Α	5.7
	48V	Α	2.9
	60V	Α	2.3
	110V	Α	1.25
	125V	Α	1.1
	220V	A	0.6
Operations	600V	Α	0.1
Operations Mechanical life		ovoloo	20000000
Electrical life		cycles cycles	20000000 400000
Safety related data		Cycles	400000
Performance level B10d according to EN/ISO 13489-1			
r one-mande level 2 rea according to 214100 re 100 r	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	120
AC operating voltage			
of 60Hz coil powered at 60Hz			
pick-up	<u>.</u>	0/1:	
	min	%Us	80
June 24	max	%Us	110
drop-out	min	%Us	20
	min max	%Us %Us	55
	шах	/003	30





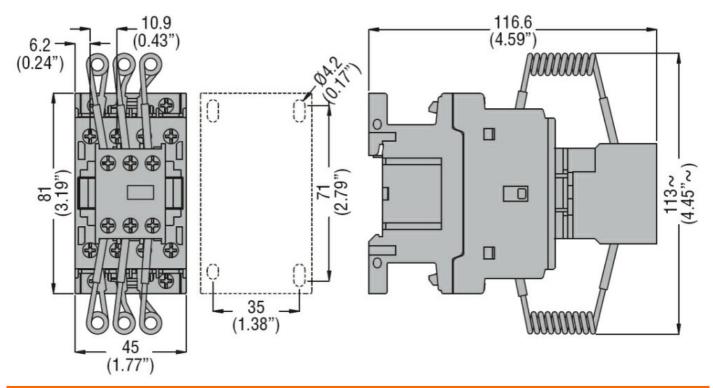
CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 15KVAR, COIL 120VAC 60HZ

of 60Hz coil powered at 60Hz

	or our iz con powered a	11 001 12			
			in-rush	VA	75
			holding	VA	9
Dissipation at holding ≤	20°C 50Hz			W	2.5
Max cycles frequency	20 0 001 12				2.0
				a a.l. a. a. /la	2000
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us co	ntrol				
	in AC				
		Closing NO			
		C	min	ms	8
			max	ms	24
		Opening NO	Пах	1110	- '
		Opening NO			40
			min	ms	10
			max	ms	20
		Closing NC			
			min	ms	14
			max	ms	28
UL technical data					
General USE					
General GGE	Contactor				
	Contactor		40	Δ.	00
	-		AC current	Α	32
	Auxiliary contacts				
			AC voltage	V	600
			AC current	Α	10
			DC voltage	V	250
			DC current	Α	1
Contact rating of auxilia	ary contacts according to	LII	2000		A600 - P600
Ambient conditions	ary cornacts according to	- OL			A000 1 000
Temperature					
	Operating temperature				
			min	°C	-50
			max	°C	70
	Storage temperature				
			min	°C	-60
				°C	80
May altitud -			max		
Max altitude				m	3000
Resistance & Protectio	n				
Pollution degree					3
Dimensions					
· · · · · · · · · · · · · · · · · · ·					

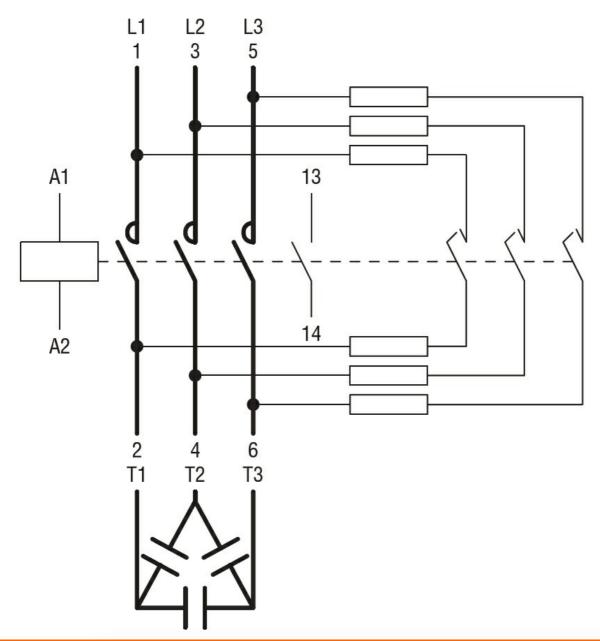






Wiring diagrams





Certifications and compliance

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

ETIM 8.0

EC001079 -Capacitor contactor