



Product designation			Power contacto
Product type designation			BFK18
Contact characteristics		Nie	2
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		Α	32
Rated operational power AC-6b (T≤40°C)			
	230V	kvar	9
	400V	kvar	15
	440480V	kvar	17
	690V	kvar	20
Short-time allowable current for 10s (IEC/EN60947-1)		Α	200
Protection fuse			
	gG (IEC)	Α	40
Making capacity (RMS value)	<u> </u>	Α	180
Breaking capacity at voltage			
	440V	Α	144
	500V	Α	120
	690V	Α	94
Resistance per pole (average value)		mΩ	2.5
Power dissipation per pole (average value)			
. oner alsorpation per pere (arrorage value)	Ith	W	2.6
Tightening torque for terminals	101	•••	2.0
rightering torque for terminals	min	Nm	1.5
	max	Nm	1.8
	min	lbin	1.1
	max	lbin	1.5
Tightaning targue for soil terminal	IIIdX	IDIII	1.5
Tightening torque for coil terminal		Nina	0.0
	min	Nm Nas	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			
	min	mm²	1





	max	mm²	4
Flexible with insulated spade lug conductor	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°
	allowable		Screw / DIN rai
Fixing			35mm
Weight		g	460
Conductor section			
AWG/kcmil conductor section			
	max		10
Auxiliary contact characteristics		^	10
Thermal current Ith		Α	10
IEC/EN 60947-5-1 designation			A600 - P600
Operating current AC15	230V	٨	3
	400V	A A	ა 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	Α	0.6
Operations	600V	Α	0.1
Operations Mechanical life		avalaa	2000000
Electrical life		cycles cycles	20000000 400000
Safety related data		cycles	400000
Performance level B10d according to EN/ISO 13489-1			
. 55	rated load	cycles	400000
	mechanical load	cycles	2000000
Mirror contats according to IEC/EN 609474-4-1		<u>,</u>	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	. •	0/11-	00
	min	%Us	20
AC average coil consumption at 20°C	max	%Us	55





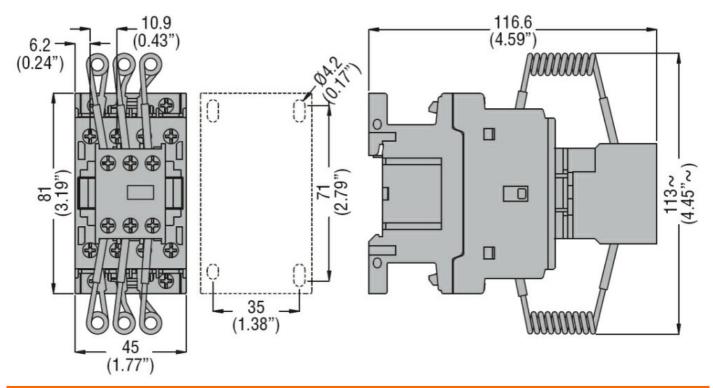
CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 15KVAR, COIL 48VAC 60HZ

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			
		· ·	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					
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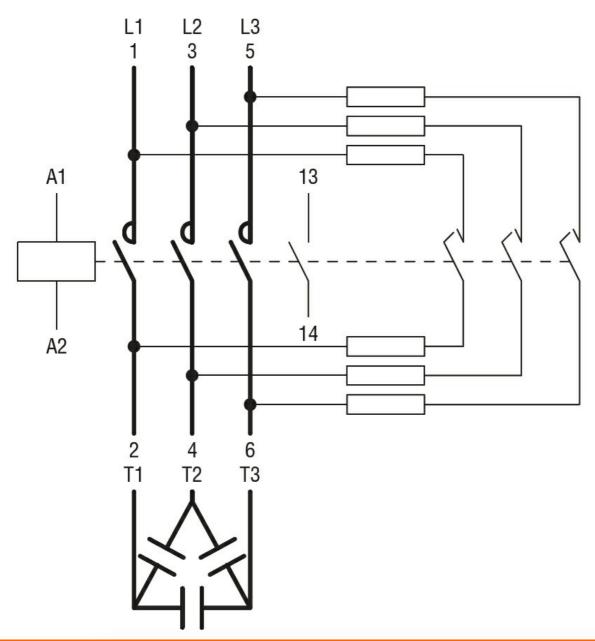






Wiring diagrams





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