



71 0	BFK18
Contact characteristics	
Number of poles Nr. 3	
	690
Rated impulse withstand voltage Uimp kV 6	6
Operational frequency	
	25
max Hz 4	400
IEC Conventional free air thermal current Ith A 3	32
Rated operational power AC-6b (T≤40°C)	
230V kvar 9	9
400V kvar 1	15
440480V kvar 1	17
690V kvar 2	20
Short-time allowable current for 10s (IEC/EN60947-1) A 2	200
Protection fuse	
gG (IEC) A 4	40
	180
Breaking capacity at voltage	
	144
	120
	94
	2.5
Power dissipation per pole (average value)	
	2.6
Tightening torque for terminals	
	1.5
	1.8
	1.1
	1.5
Tightening torque for coil terminal	
	0.8
	1
	0.8
	0.74
	2
Conductor section	=
AWG/Kcmil	
	10
Flexible w/o lug conductor section	10
riexible w/o lug conductor section min mm² 1	1
Floxible c/w lug conductor section	<u> </u>
Flexible c/w lug conductor section min mm² 1	1
min mm² 1	1





	max	mm²	4
Flexible with insulated spade lug conductor se			
	min	mm²	1
	max	mm²	IP20 when
Power terminal protection according to IEC/EN 60529			properly wired
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
Fixing			Screw / DIN rail 35mm
Weight		g	4080
Conductor section			
AWG/kcmil conductor section			
	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			
3	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			
	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	230
AC operating voltage			
of 60Hz coil powered at 60Hz			
pick-up		0/11	0.0
	min	%Us	80
dran aut	max	%Us	110
drop-out	min	%Us	20
	min max	%Us %Us	55
	παλ	/003	00





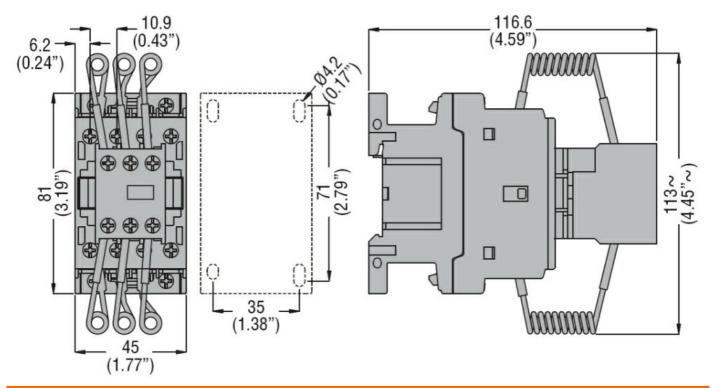
CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 15KVAR, COIL 230VAC 60HZ

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					
· · · · · · · · · · · · · · · · · · ·					

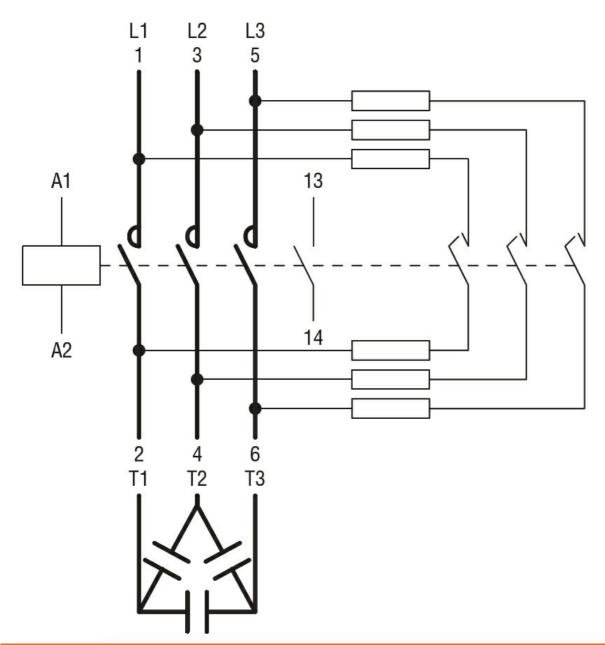






Wiring diagrams





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