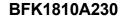


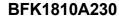


Product designation				Power contactor
Product type designat				BFK18
Contact characteristic	S		N.I.	^
Number of poles	LIVIEO/EN		Nr.	3
Rated insulation voltage	-		V	690
Rated impulse withsta	• •		kV	6
Operational frequency	1			
		min	Hz	25
		max	Hz	400
IEC Conventional free	air thermal current Ith		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 (a			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	<u> </u>	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



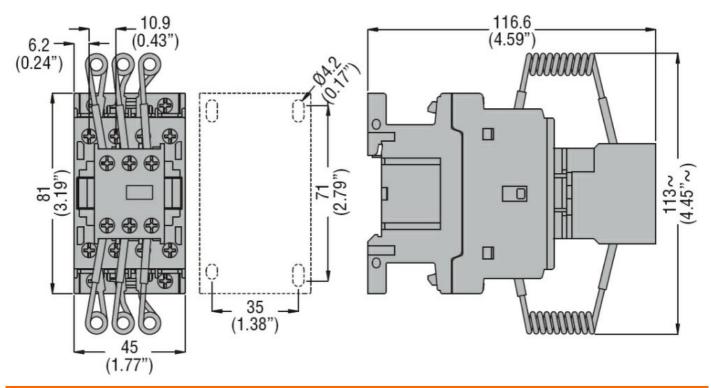


	max	mm²	4
Flexible with insulated spade lug conductor sec			
	min	mm²	1
	max	mm²	4
Power terminal protection according to IEC/EN 60529			IP20 when properly wired
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
Fixing			Screw / DIN rail 35mm
Weight		g	418
Conductor section			
AWG/kcmil conductor section			
	max		10
Auxiliary contact characteristics			
Thermal current Ith		A	10
IEC/EN 60947-5-1 designation			A600 - P600
Operating current AC15		_	
	230V	Α	3
	400V	Α	1.9
0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	500V	Α	1.4
Operating current DC12	440)/		F 7
On southern assessed DO42	110V	Α	5.7
Operating current DC13	241/	^	F 7
	24V 48V	A A	5.7 2.9
	60V	A	2.3
	110V	A	1.25
	125V	Α	1.1
	220V	Α	0.6
	600V	Α	0.1
Operations			
Mechanical life		cycles	20000000
Electrical life		cycles	400000
Safety related data			
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		\ /	000
Rated AC voltage at 50/60Hz		V	230
AC operating voltage			
of 50/60Hz coil powered at 50Hz			
pick-up	min	%Us	80
	max	%Us	110
drop-out	Παλ	/005	110
urop-out	min	%Us	20
	max	%Us	55
of 50/60Hz coil powered at 60Hz	· · · · · · · · · · · · · · · · · · ·		<del>-</del>
pick-up			



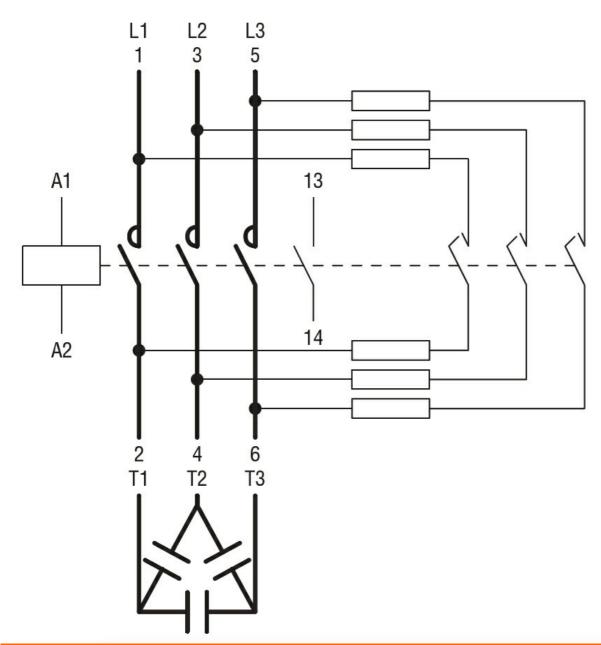


		min	%Us	85
		max	%Us	110
	drop-out	παλ	7003	110
	αιορ σαι	min	%Us	20
		max	%Us	55
AC average coil cons	umption at 20°C	max	7000	
to average con const	of 50/60Hz coil powered at 50Hz			
	01 00/00112 0011 poworod at 00112	in-rush	VA	75
		holding	VA	9
	of 50/60Hz coil powered at 60Hz	nolaling		
	01 00/00112 0011 powered at 00112	in-rush	VA	70
		holding	VA	6.5
	of 60Hz coil powered at 60Hz	noluling		0.0
	or our iz con powered at our iz	in-rush	VA	75
		holding	VA	9
Dissipation at holding	<20°C 50H <del>7</del>	riolaling	W	2.5
Max cycles frequency			V V	۷.0
Mechanical operation			cycles/h	3600
Operating times			Jy 0103/11	
Average time for Us c	ontrol			
wordgo unio ioi 03 0	in AC			
	Closing NO			
	Closing NC	min	ms	8
		max	ms	24
	Opening NO	Παλ	1115	24
	Opening NO	min	ms	10
		max	ms	20
	Closing NC	IIIdx	1113	20
	Closing NO	min	ms	14
		max	ms	28
JL technical data		max	1110	20
General USE				
Scholal GGE	Contactor			
	Contactor	AC current	Α	32
	Auxiliary contacts	710 Garrent		
	Adminity contacto	AC voltage	V	600
		AC current	A	10
		DC voltage	V	250
		DC voltage DC current	A	1
Contact rating of auxili	iary contacts according to UL	DO GUITOIR		A600 - P600
Ambient conditions				7.000 1 000
emperature				
Simporaturo	Operating temperature			
	Sporating temperature	min	°C	-50
		max	°C	70
	Storage temperature	IIIdX		, 0
	Storage temperature	min	°C	-60
		min	°C	-60 80
Aov oltitudo		max		
Max altitude	on		m	3000
Resistance & Protecti	on			
Pollution degree				3
Dimensions [mm (in)]				



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