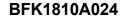


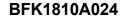


Product designation			Power contacto
Product type designation			BFK18
Contact characteristics		Nie	2
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Operational frequency			
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		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 s			
	min	mm²	1
	max	mm²	4
Power terminal protection according to IEC/EN 60529			IP20 when
Mechanical features			properly wired
Operating position			
Operating position	normal		Vertical plan
	allowable		Vertical plan ±30°
	allowable		Screw / DIN rail
Fixing			35mm
Weight		g	460
Conductor section		9	400
AWG/kcmil conductor section			
AVVO/ACITIII COIIductor Section	max		10
Auxiliary contact characteristics	IIIdX		, U
Thermal current Ith		Α	10
IEC/EN 60947-5-1 designation			A600 - P600
Operating current AC15			7000 - L 000
Operating current AO13	230V	Α	3
	400V	A	1.9
	500V	A	1.4
Operating current DC12	300 V	^	1.4
Operating current DC12	110V	۸	5.7
On areting assessed DC42	1100	Α	5.7
Operating current DC13	0.417	٨	<i>-</i> -
	24V	A	5.7
	48V 60V	A	2.9 2.3
	110V	A	2.3 1.25
	110V 125V	A A	1.25
	220V	A	0.6
	600V	A	0.0
Operations	6007	A	0.1
Operations Mechanical life		ovoloo	2000000
Electrical life		cycles	20000000 400000
Safety related data		cycles	400000
Performance level B10d according to EN/ISO 13489-1			
renormance level blod according to EN/ISO 13469-1	rated load	oveles	400000
	mechanical load	cycles	2000000
Mirror contats according to IEC/EN 609474-4-1	medianida idad	cycles	YES
EMC compatibility			yes
AC coil operating		V	24
Rated AC voltage at 50/60Hz		V	24
AC operating voltage			
of 50/60Hz coil powered at 50Hz			
pick-up		0/11-	90
	min	%Us	80
duca	max	%Us	110
drop-out		0/11-	20
	min	%Us	20
of 50/001 = apil payment = 1,001 =	max	%Us	55
of 50/60Hz coil powered at 60Hz			
pick-up			

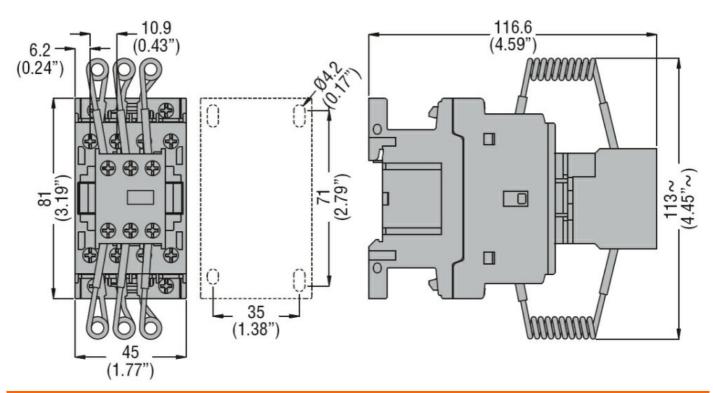




		min	%Us	85
		max	%Us	110
	drop-out	Пах	7000	110
	a.op out	min	%Us	20
		max	%Us	55
.C average coil consi	umption at 20°C		7000	
o average con correc	of 50/60Hz coil powered at 50Hz			
	01 00/001 12 0011 powerou at 001 12	in-rush	VA	75
		holding	VA	9
	of 50/60Hz coil powered at 60Hz			
	0. 00/001 12 0011 powerou at 001 12	in-rush	VA	70
		holding	VA	6.5
	of 60Hz coil powered at 60Hz	ig	***	0.0
	01 001 12 0011 poworod at 001 12	in-rush	VA	75
		holding	VA	9
Dissipation at holding	<20°C 50Hz	noiding .	W	2.5
lax cycles frequency			• •	
lechanical operation			cycles/h	3600
perating times			5, 5.55,11	
verage time for Us c	ontrol			
	in AC			
	Closing NO			
	5.55m.g	min	ms	8
		max	ms	24
	Opening NO			
	-1-3	min	ms	10
		max	ms	20
	Closing NC			
	ŭ	min	ms	14
		max	ms	28
JL technical data				
Seneral USE				
	Contactor			
		AC current	Α	32
	Assillant and asta			
	Auxiliary contacts			
	Auxiliary contacts		V	600
	Auxiliary contacts	AC voltage AC current	V A	600 10
	Auxiliary contacts	AC voltage AC current		
	Auxiliary contacts	AC voltage	Α	10
Contact rating of auxil	iary contacts	AC voltage AC current DC voltage	A V	10 250
		AC voltage AC current DC voltage	A V	10 250 1
mbient conditions		AC voltage AC current DC voltage	A V	10 250 1
mbient conditions		AC voltage AC current DC voltage	A V	10 250 1
mbient conditions	iary contacts according to UL	AC voltage AC current DC voltage	A V	10 250 1
mbient conditions	iary contacts according to UL	AC voltage AC current DC voltage DC current	A V A	10 250 1 A600 - P600
Contact rating of auxilombient conditions Temperature	iary contacts according to UL Operating temperature	AC voltage AC current DC voltage DC current	A V A	10 250 1 A600 - P600
mbient conditions	iary contacts according to UL	AC voltage AC current DC voltage DC current min max	A V A	10 250 1 A600 - P600 -50 70
mbient conditions	iary contacts according to UL Operating temperature	AC voltage AC current DC voltage DC current min max	A V A °C °C	10 250 1 A600 - P600 -50 70
mbient conditions emperature	iary contacts according to UL Operating temperature	AC voltage AC current DC voltage DC current min max	°C °C °C	10 250 1 A600 - P600 -50 70 -60 80
mbient conditions emperature fax altitude	iary contacts according to UL Operating temperature Storage temperature	AC voltage AC current DC voltage DC current min max	A V A °C °C	10 250 1 A600 - P600 -50 70
mbient conditions	iary contacts according to UL Operating temperature Storage temperature	AC voltage AC current DC voltage DC current min max	°C °C °C	10 250 1 A600 - P600 -50 70 -60 80

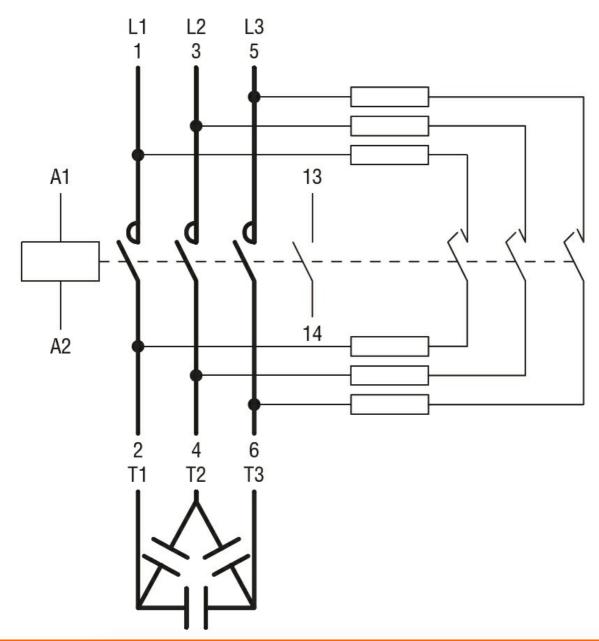
ENERGY AND AUTOMATION

CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, INCLUDING LIMITING RESISTORS, MAXIMUM IEC OPERATIONAL POWER 400V = 15KVAR, COIL 24VAC 50/60HZ



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