



Product designation			Power contactor BGP09
Product type designation Contact characteristics			БСРОЭ
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	500
Rated impulse withstand voltage Uimp		kV	6
Operational frequency		K V	0
Operational frequency	min	Hz	25
	min	⊓∠ Hz	400
IEC Conventional free air thermal current Ith	max	<u>п</u> ∠ А	20
		A	20
Operational current le	AC 4 (<40°C)	۸	20
	AC-1 (≤40°C)	A	20
	AC-1 (≤55°C)	A	18
	AC-1 (≤70°C)	A	15
	AC-3 (≤440V ≤55°C)	A	9
D. I. J. and C. and J. and A. O. A. (T. (1000))	AC-4 (400V)	A	4
Rated operational power AC-1 (T≤40°C)	0001/	1.347	0
	230V	kW	8
	400V	kW	14
01 11 11 11 11 11 11 11 11 11 11 11 11 1	500V	kW	16
Short-time allowable current for 10s (IEC/EN60947-1)		Α	96
Protection fuse		_	
	gG (IEC)	Α	20
	aM (IEC)	Α	10
Making capacity (RMS value)		Α	92
Breaking capacity at voltage			
	440V	Α	72
	500V	Α	72
Resistance per pole (average value)		mΩ	10
Power dissipation per pole (average value)			
	Ith	W	4
	AC-3	W	0.81
Tightening torque for terminals			
	min	Nm	0.8
	max	Nm	1
	min	lbin	9
	max	lbin	9
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	lbin	9
	max	lbin	9

Conductor section

AWG/Kcmil





FOUR-POLE CONTACTOR, AC COIL 60HZ, 230VAC, REAR PCB SOLDER PIN

		max		12
	Flexible w/o lug conductor section			
		min	mm²	0.8
		max	mm²	2.5
	Flexible c/w lug conductor section			
		min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section	_	•	
		min	mm²	1.5
De la contrada de la contrada	"	max	mm²	2.5
	tion according to IEC/EN 60529			IP00
Mechanical features				
Operating position		normal		Vartical plan
		normal allowable		Vertical plan ±30°
		allowable		Screw / DIN rail
Fixing				35mm
Weight			g	200
Conductor section			_	_
	AWG/kcmil conductor section			
		max		12
Auxiliary contact chara	acteristics			
Thermal current Ith			Α	10
IEC/EN 60947-5-1 des	signation			A600
Operations				
Mechanical life			cycles	20000000
Electrical life			cycles	500000
Safety related data				
Performance level B1	0d according to EN/ISO 13489-1			
		rated load	cycles	500000
		mechanical load	cycles	20000000
	ng to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 6	0Hz		V	230
AC operating voltage	. (001)			
	of 60Hz coil powered at 60Hz			
	pick-up	mai-a	0/110	75
		min max	%Us %Us	75 115
	drop-out	шах	/005	110
	αιορ-οαί	min	%Us	20
		max	%Us	55
AC average coil consu	umption at 20°C	max	,,,,	
2 2.1 2.2 3 3 3 3 3 7 3 6	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	30
		holding	VA	4
	of 50/60Hz coil powered at 60Hz	<u> </u>		
	·	in-rush	VA	25
		holding	VA	3
	of 60Hz coil powered at 60Hz			
		in-rush	VA	30
		in-rush holding	VA VA	30 4





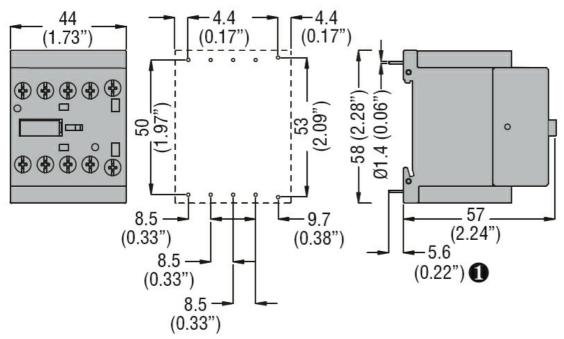


Dissipation at holding ≤	20°C 50Hz	W	0.95
Max cycles frequency Mechanical operation		cycles/h	3600
Operating times		Cyclc3/11	3000
Average time for Us con	ntrol		
-	in AC		
	Closing NO		
	min	ms	12
	max	ms	21
	Opening NO		0
	min max	ms ms	9 18
	Closing NC	1113	10
	min	ms	17
	max	ms	26
	Opening NC		
	min	ms	7
	max	ms	17
	in DC		
	Closing NO		
	min	ms	18
	max On an ing NO	ms	25
	Opening NO min	ms	2
	max	ms	3
	Closing NC	1110	0
	min	ms	3
	max	ms	5
	Opening NC		
	min	ms	11
	max	ms	17
UL technical data	Continue of the A.O. materia		
Full-load current (FLA)	for three-phase AC motor	۸	7.0
	at 480V at 600V	A A	7.6 6.1
Yielded mechanical per		A	0.1
Holded Hiedhalileal pel	for single-phase AC motor		
	110/120V	HP	0.5
	230V	HP	1.5
	for three-phase AC motor		_
	200/208V	HP	2
	220/230V	HP	3
	460/480V	HP	5
	575/600V	HP	5
General USE	Outledge		
	Contactor	۸	00
Ambient conditions	AC current	Α	20
Temperature			
ι οπιροιαιαισ	Operating temperature		
	min	°C	-50
	max	°C	+70
	Storage temperature		_
	min	°C	-60



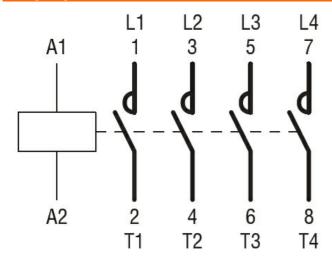
ENERGY AND AUTOMATION

	max	°C	+80	
Max altitude		m	3000	
Resistance & Protection				
Pollution degree			3	
Dimensions				



Recommended PCB drillings 1.7-2mm.

Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1

IEC/EN 60947-1

IEC/EN 60947-4-1

UL 60947-1

UL 60947-4-1

Certificates

cURus

EAC



11BGP09T4A23060

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ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching