



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 1 (<10°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.	AC-4 (400V)	A	4
Rated operational power AC-1 (T≤40°C)	0001/	1.347	•
	230V	kW	8
	400V	kW	14
01 (1) (1) (1) (1) (1) (1) (1) (1) (1) (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
Max number of wires simultaneously connectable		Nr.	2

Conductor section

AWG/Kcmil





FOUR-POLE CONTACTOR, AC COIL 50/60HZ, 48VAC, REAR PCB SOLDER PIN

	Flexible wie has an director and Co.	max		12
	Flexible w/o lug conductor section	min	mm²	0.8
		max	mm²	2.5
	Flexible c/w lug conductor section	IIIdX	11111	
	Tioxible 6, wing conductor coolien	min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor	section		
		min	mm²	1.5
		max	mm²	2.5
	tion according to IEC/EN 60529			IP00
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight			g	186
Conductor section				
	AWG/kcmil conductor section			
		max		12
Auxiliary contact chara	acteristics			1.0
Thermal current Ith			Α	10
IEC/EN 60947-5-1 de	signation			A600
Operations Machanical life			a a ! = =	20000000
Mechanical life			cycles	2000000
Electrical life Safety related data			cycles	500000
· · · · · · · · · · · · · · · · · · ·	0d according to EN/ISO 13489-1			
Tonormanico level DT	34 455014mg to E14100 10405-1	rated load	cycles	500000
		mechanical load	cycles	2000000
Mirror contats accordi	ng to IEC/EN 609474-4-1			yes
EMC compatibility				yes
				ycs
AC coil operating				yes
Rated AC voltage at 5	0/60Hz		V	48
	0/60Hz		V	
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz		V	
Rated AC voltage at 5			V	
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz	min	%Us	48 75
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up	min max		48
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz	max	%Us %Us	48 75 115
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up	max min	%Us %Us %Us	48 75 115 20
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out	max	%Us %Us	48 75 115
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	max min	%Us %Us %Us	48 75 115 20
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out	max min max	%Us %Us %Us %Us	75 115 20 55
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	max min max min	%Us %Us %Us %Us	75 115 20 55
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	max min max	%Us %Us %Us %Us	75 115 20 55
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	max min max min max	%Us %Us %Us %Us %Us	75 115 20 55 80 115
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	max min max min max min max min	%Us %Us %Us %Us %Us	75 115 20 55 80 115 20
Rated AC voltage at 5 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min max	%Us %Us %Us %Us %Us	75 115 20 55 80 115
Rated AC voltage at 5 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min max min max min	%Us %Us %Us %Us %Us	75 115 20 55 80 115 20
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min max min max min	%Us %Us %Us %Us %Us	75 115 20 55 80 115 20





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	of 50/60Hz coil powere	d at 60Hz			
			in-rush	VA	25
			holding	VA	3
	of 60Hz coil powered a	t 60Hz			_
	•		in-rush	VA	30
			holding	VA	4
Dissipation at holding ≤	20°C 50Hz			W	0.95
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us con	ntrol				
· ·	in AC				
		Closing NO			
		g	min	ms	12
			max	ms	21
		Opening NO	max	1110	
		Oponing 110	min	ms	9
			max	ms	18
		Closing NC	max	1113	.0
		Closing INC	min	ms	17
					26
		Opening NC	max	ms	20
		Opening NC	min	 0	7
			min	ms	7
	1. 00		max	ms	17
	in DC	Olaska NO			
		Closing NO			4.0
			min	ms	18
			max	ms	25
		Opening NO			
			min	ms	2
			max	ms	3
		Closing NC			
			min	ms	3
			max	ms	5
		Opening NC			
			min	ms	11
			max	ms	17
UL technical data					
Full-load current (FLA)	for three-phase AC moto	or			
			at 480V	Α	7.6
			at 600V	Α	6.1
Yielded mechanical per	formance			· <u> </u>	
·	for single-phase AC mo	otor			
	- ·		110/120V	HP	0.5
			230V	HP	1.5
	for three-phase AC mo	tor			
	,		200/208V	HP	2
			220/230V	HP	3
			460/480V	HP	5
			575/600V	HP	5
General USE			2.0,000		<u>-</u>
	Contactor				
	23.1.40.01		AC current	Α	20
Ambient conditions			710 00110111	, ,	
- Indiana donalilona					



Temperature

Operating temperature

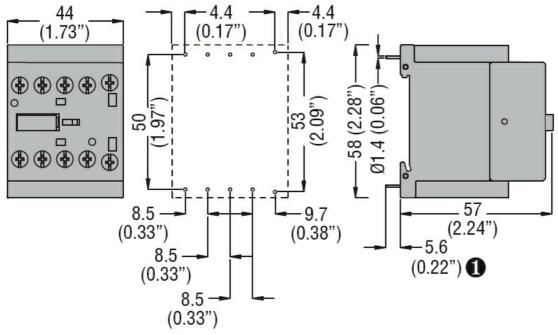
	min	°C	-50	
	max	°C	+70	
Storage temperature				
	min	°C	-60	
	max	°C	+80	
		m	3000	
on				

Resistance & Protection

Pollution degree 3

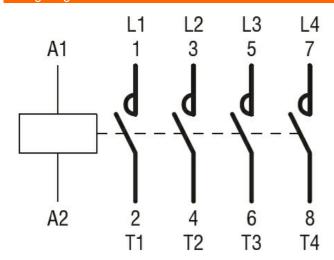
Dimensions

Max altitude



• 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



ENERGY AND AUTOMATION

11BGP09T4A048

FOUR-POLE CONTACTOR, AC COIL 50/60HZ, 48VAC, REAR PCB SOLDER PIN

	IEC/EN 60947-4-1
	UL 60947-1
	UL 60947-4-1
Certificates	
	cURus
	EAC
ETIM classification	1

ETIM 8.0

EC000066 -Power contactor, AC switching