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Product designation Product type designation			Power contactor BGP09
Contact characteristics			
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	500
Rated impulse withstand voltage Uimp		kV	6
Operational frequency			
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		А	20
Operational current le			
	AC-1 (≤40°C)	А	20
	AC-1 (≤55°C)	А	18
	AC-1 (≤70°C)	А	15
	AC-3 (≤440V ≤55°C)	А	9
	AC-4 (400V)	А	4
Rated operational power AC-3 (T≤55°C)			
	230V	kW	2.2
	400V	kW	4
	415V	kW	4.3
	440V	kW	4.5
	500V	kW	5
Rated operational power AC-1 (T≤40°C)			
	230V	kW	8
	400V	kW	14
	500V	kW	16
Short-time allowable current for 10s (IEC/EN60947-1)		А	96
Protection fuse			
	gG (IEC)	А	20
	aM (IEC)	А	10
Making capacity (RMS value)		А	92
Breaking capacity at voltage			
	440V	А	72
	500V	А	72
Resistance per pole (average value)		mΩ	10
Power dissipation per pole (average value)			
	lth	W	4
	AC-3	W	0.81
Tightening torque for terminals			
	min	Nm	0.8
	max	Nm	1
	min	Ibin	9
	max	Ibin	9
Tightening torque for coil terminal			
	min	Nm	0.8

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11BGP0901D060 electric THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, DC COIL, 60VDC, 1NC AUXILIARY CONTACT, REAR PCB SOLDER PIN

		max	Nm	1
		min	Ibin	9
	· / / / / / / / / / / / / / / / / / / /	max	Ibin	9
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil	2001		10
	Elevite w/a lug conductor contian	max		12
	Flexible w/o lug conductor section	min		0.0
		min max	mm² mm²	0.8 2.5
	Flexible c/w lug conductor section	IIIdX	111111	2.0
		min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section	max		2.5
	Flexible with insulated space lug conductor section	min	mm²	1.5
		max	mm²	2.5
Power terminal protec	tion according to IEC/EN 60529	max		IP00
Mechanical features				1.00
Operating position				
		normal		Vertical plan
		allowable		±30°
		allowable		Screw / DIN rai
Fixing				35mm
Weight			g	240
Conductor section			9	
	AWG/kcmil conductor section			
		max		12
Auxiliary contact chara	acteristics			
Thermal current Ith			А	10
IEC/EN 60947-5-1 de	signation			A600 - Q600
Operating current AC1	-			
		230V	А	3
		400V	А	1.9
		500V	А	1.4
Operating current DC1	12			
		110V	А	2.9
Operating current DC1	13			
		24V	А	2.9
		48V	A	1.4
		60V	A	1.1
		125V	А	0.3
		220V	А	0.1
		600V	A	0.6
Operations				
•			cycles	2000000
Mechanical life			cycles cycles	20000000 500000
Mechanical life Electrical life			-	
Mechanical life Electrical life Safety related data	0d according to EN/ISO 13489-1		-	
Mechanical life Electrical life Safety related data	0d according to EN/ISO 13489-1	rated load	cycles	500000
Mechanical life Electrical life Safety related data	-	rated load	cycles cycles	
	mec		cycles	500000 500000 20000000
Mechanical life Electrical life Safety related data Performance level B1	-		cycles cycles	500000 500000

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AUXILIARY CONTACT, REAR PCB SOLDER PIN

DC rated control voltage	ae			V	60
DC operating voltage				-	
1 0 0	pick-up				
			min	%Us	75
			max	%Us	115
	drop-out				
			min	%Us	10
			max	%Us	25
Average coil consump	tion ≤20°C				
			in-rush	W	3.2
			holding	W	3.2
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us co					
	in AC				
		Closing NO	min	me	12
			min max	ms ms	21
		Opening NO	IIIdX	1115	<u>۲</u> ۱
			min	ms	9
			max	ms	18
		Closing NC			
		g	min	ms	17
			max	ms	26
		Opening NC			
			min	ms	7
			max	ms	17
	in DC				
		Closing NO			
			min	ms	18
			max	ms	25
		Opening NO			
			min	ms	2
			max	ms	3
		Closing NC		ma	2
			min	ms ms	3 5
		Opening NC	max	ms	5
			min	ms	11
			max	ms	17
UL technical data					
Full-load current (FLA)	for three-phase AC m	notor			
() ()			at 480V	А	7.6
			at 600V	А	6.1
Yielded mechanical pe	erformance				
	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

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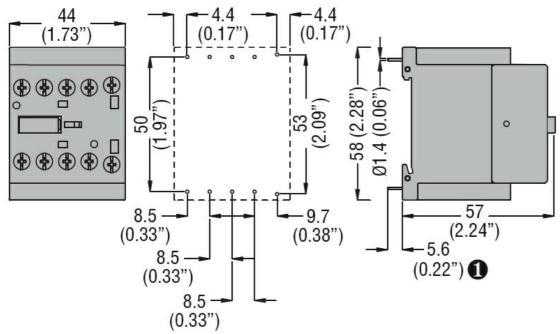
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General USE

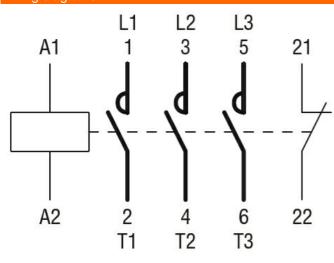
	Contactor			
		AC current	А	20
Contact rating of aux	xiliary contacts according to UL			A600 - Q600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	+70
	Storage temperature			
		min	°C	-60
		max	°C	+80
Max altitude			m	3000
Resistance & Protect	ction			
Pollution degree				3
Dimonoiono				

Dimensions



Recommended PCB drillings 1.7-2mm.





Certifications and compliance



ENERGY AND AUTOMATION

Compliance

e emphanie e		
	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	
ETIM classification	n	
		EC000066 -
ETIM 8.0		Power contactor,

Power contactor, AC switching