

11BGP0901A23060 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, AC COIL 60HZ, 230VAC, 1NC AUXILIARY CONTACT, REAR PCB SOLDER PIN



Product designation			Power contactor
Product type designation			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			<u>.</u>
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		A	20
Operational current le		۸	20
	AC-1 (≤40°C)	A	20
	AC-1 (≤55°C) AC-1 (≤70°C)	A	18 15
	AC-1 (≤70 C) AC-3 (≤440V ≤55°C)	A A	9
	AC-3 (2440V 255 C) AC-4 (400V)	A	9 4
Rated operational power AC-3 (T≤55°C)	AC-4 (400V)	~	4
	230V	kW	2.2
	400V	kW	4
	400V 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)			
	Ith	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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		max	Nm	1
		min	lbin	9
		max	lbin	9
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		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
		max	mm²	2.5
	tion according to IEC/EN 60529			IP00
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN ra 35mm
Weight			g	200
Conductor section				
	AWG/kcmil conductor section			
		max		12
Auxiliary contact chara	acteristics			
Auxiliary contact chara Thermal current Ith	acteristics		A	10
			A	10 A600 - Q600
Thermal current Ith	signation		A	
Thermal current Ith IEC/EN 60947-5-1 de	signation	230V	A	
Thermal current Ith IEC/EN 60947-5-1 de	signation	230V 400V	A	A600 - Q600
Thermal current Ith IEC/EN 60947-5-1 de	signation		A A	A600 - Q600 3 1.9
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC1	signation 15	400V	A	A600 - Q600 3
Thermal current Ith IEC/EN 60947-5-1 de	signation 15	400V	A A A	A600 - Q600 3 1.9 1.4
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC1 Operating current DC1	signation 15 12	400V 500V	A A	A600 - Q600 3 1.9
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC1	signation 15 12	400V 500V 110V	A A A A	A600 - Q600 3 1.9 1.4 2.9
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC1 Operating current DC1	signation 15 12	400V 500V 110V 24V	A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC1 Operating current DC1	signation 15 12	400V 500V 110V 24V 48V	A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 2.9 1.4
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC1 Operating current DC1	signation 15 12	400V 500V 110V 24V 48V 60V	A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 2.9 1.4 1.1
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC1 Operating current DC1	signation 15 12	400V 500V 110V 24V 48V 60V 125V	A A A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC1 Operating current DC1	signation 15 12	400V 500V 110V 24V 48V 60V 125V 220V	A A A A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3 0.1
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC1 Operating current DC ² Operating current DC ²	signation 15 12	400V 500V 110V 24V 48V 60V 125V	A A A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC1 Operating current DC ² Operating current DC ²	signation 15 12	400V 500V 110V 24V 48V 60V 125V 220V	A A A A A A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3 0.1 0.6
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC1 Operating current DC ² Operating current DC ² Operations Mechanical life	signation 15 12	400V 500V 110V 24V 48V 60V 125V 220V	A A A A A A A A A A A A Cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3 0.1 0.6 20000000
Thermal current Ith IEC/EN 60947-5-1 dec Operating current AC1 Operating current DC1 Operating current DC1 Operations Operations Mechanical life Electrical life	signation 15 12	400V 500V 110V 24V 48V 60V 125V 220V	A A A A A A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3 0.1 0.6
Thermal current Ith IEC/EN 60947-5-1 dec Operating current AC1 Operating current DC7 Operating current DC7 Operating current DC7 Operations Mechanical life Electrical life Safety related data	signation 15 12 13	400V 500V 110V 24V 48V 60V 125V 220V	A A A A A A A A A A A A Cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3 0.1 0.6 20000000
Thermal current Ith IEC/EN 60947-5-1 dec Operating current AC1 Operating current DC7 Operating current DC7 Operating current DC7 Operations Mechanical life Electrical life Safety related data	signation 15 12	400V 500V 110V 24V 48V 60V 125V 220V 600V	A A A A A A A A A A Cycles cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3 0.1 0.6 20000000 500000
Thermal current Ith IEC/EN 60947-5-1 dec Operating current AC1 Operating current DC7 Operating current DC7 Operating current DC7 Operations Mechanical life Electrical life Safety related data	signation 15 12 13 0d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 125V 220V 600V	A A A A A A A A A A A Cycles cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3 0.1 0.6 20000000 500000 500000
Thermal current Ith IEC/EN 60947-5-1 dec Operating current AC1 Operating current DC7 Operating current DC7 Operating current DC7 Operations Mechanical life Electrical life Safety related data Performance level B1	signation 15 12 13 Od according to EN/ISO 13489-1 med	400V 500V 110V 24V 48V 60V 125V 220V 600V	A A A A A A A A A A Cycles cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3 0.1 0.6 20000000 500000 500000 500000
Thermal current Ith IEC/EN 60947-5-1 dec Operating current AC1 Operating current DC7 Operating current DC7 Operating current DC7 Operations Mechanical life Electrical life Safety related data Performance level B1	signation 15 12 13 0d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 125V 220V 600V	A A A A A A A A A A A Cycles cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3 0.1 0.6 20000000 500000 500000

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Rated AC voltage at	60Hz			V	230
AC operating voltage					
	of 60Hz coil po				
		pick-up		0/11	
			min	%Us	75
		drop out	max	%Us	115
		drop-out	min	%Us	20
			max	%Us	55
AC average coil con	sumption at 20°C		тах	/000	00
to avoidge con con		powered at 50Hz			
			in-rush	VA	30
			holding	VA	4
	of 50/60Hz coil	powered at 60Hz	C C		
		-	in-rush	VA	25
			holding	VA	3
	of 60Hz coil po	wered at 60Hz			
			in-rush	VA	30
			holding	VA	4
Dissipation at holding				W	0.95
Max cycles frequenc					
Mechanical operation	1			cycles/h	3600
Operating times					
Average time for Us					
	in AC				
		Closing NO	min	ma	12
			max	ms ms	21
		Opening NO	Шал	1115	21
		opening No	min	ms	9
			max	ms	18
		Closing NC			
		3	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	•		2
			min	ms	2
		Closing NC	max	ms	3
			min	ms	3
			max	ms	5
		Opening NC	IIIdA	113	5
			min	ms	11
			max	ms	17
					-
JL technical data					
UL technical data Full-load current (FL	A) for three-phase	AC motor			
JL technical data Full-load current (FL	A) for three-phase	AC motor	at 480V	А	7.6

11BGP0901A23000 The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

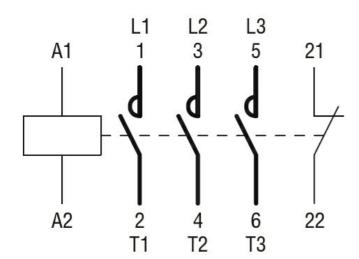


Yielded mechanical				
	for single-phase AC motor			
		110/120V	HP	0.5
		230V	HP	1.5
	for three-phase AC motor	000/0001/		0
		200/208V	HP	2
		220/230V	HP	3
		460/480V 575/600V	HP HP	5 5
General USE		010/0001		5
	Contactor			
		AC current	А	20
Contact rating of au	xiliary contacts according to UL			A600 - 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 & Prote	ction			
Pollution degree				3
Dimensions				
44 (1.73")	$\begin{array}{c} -4.4 \\ (0.17") \\ 0.17") \\ 0.17") \\ 0.17" \\ 0.17$			

Wiring diagrams



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Certifications and compliance

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
ETIM classification	

ETIM 8.0

EC000066 -Power contactor, AC switching