

11BGP0901A12060 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, AC COIL 60HZ, 120VAC, 1NC AUXILIARY CONTACT, REAR PCB SOLDER PIN



Product designation Product type designation			Power contactor BGP09
Contact characteristics			DGP 09
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		Α	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)		Α	96
Protection fuse			
	gG (IEC)	А	20
	aM (IEC)	A	10
Making capacity (RMS value)		А	92
Breaking capacity at voltage			
	440V	А	72
	500V	A	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	Ibin	9
Tightening torque for coil terminal			
	min	Nm	0.8



11BGP0901A12060 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, AC COIL 60HZ, 120VAC, 1NC AUXILIARY CONTACT, REAR PCB SOLDER PIN

		201	Nimo	1
		max min	Nm Ibin	1
			Ibin	9 9
Max number of wires	simultaneously connectable	max	Nr.	2
Conductor section			111.	2
	AWG/Kcmil			
	AWO/Kehiii	max		12
	Flexible w/o lug conductor section	max		12
		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
Power terminal protect	ction according to IEC/EN 60529			IP00
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
				Screw / DIN rail
Fixing				35mm
Weight			g	200
Conductor section				
	AWG/kcmil conductor section			
		max		12
Auxiliary contact chara	acteristics	max		
Thermal current Ith		max	A	10
Thermal current Ith IEC/EN 60947-5-1 de	signation	max	A	
Thermal current Ith	signation		A	10 A600 - Q600
Thermal current Ith IEC/EN 60947-5-1 de	signation	230V	A	10 A600 - Q600 3
Thermal current Ith IEC/EN 60947-5-1 de	signation	230V 400V	A A	10 A600 - Q600 3 1.9
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	esignation 15	230V	A	10 A600 - Q600 3
Thermal current Ith IEC/EN 60947-5-1 de	esignation 15	230V 400V 500V	A A A	10 A600 - Q600 3 1.9 1.4
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	esignation 15 12	230V 400V	A A	10 A600 - Q600 3 1.9
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	esignation 15 12	230V 400V 500V 110V	A A A A	10 A600 - Q600 3 1.9 1.4 2.9
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	esignation 15 12	230V 400V 500V 110V 24V	A A A A	10 A600 - Q600 3 1.9 1.4 2.9 2.9
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	esignation 15 12	230V 400V 500V 110V 24V 48V	A A A A A	10 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 AC	esignation 15 12	230V 400V 500V 110V 24V 48V 60V	A A A A A A A	10 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 AC	esignation 15 12	230V 400V 500V 110V 24V 48V 60V 125V	A A A A A A A A A	10 A600 - Q600 3 1.9 1.4 2.9 2.9 2.9 1.4 1.1 0.3
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	esignation 15 12	230V 400V 500V 110V 24V 48V 60V 125V 220V	A A A A A A A A A A	10 A600 - Q600 3 1.9 1.4 2.9 2.9 2.9 1.4 1.1 0.3 0.1
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC	esignation 15 12	230V 400V 500V 110V 24V 48V 60V 125V	A A A A A A A A A	10 A600 - Q600 3 1.9 1.4 2.9 2.9 2.9 1.4 1.1 0.3
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC	esignation 15 12	230V 400V 500V 110V 24V 48V 60V 125V 220V	A A A A A A A A A A A	10 A600 - Q600 3 1.9 1.4 2.9 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 AC Operating current DC Operating current DC Operating current DC	esignation 15 12	230V 400V 500V 110V 24V 48V 60V 125V 220V	A A A A A A A A A A A A Cycles	10 A600 - Q600 3 1.9 1.4 2.9 2.9 2.9 1.4 1.1 0.3 0.1 0.6 20000000
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC	esignation 15 12	230V 400V 500V 110V 24V 48V 60V 125V 220V	A A A A A A A A A A A	10 A600 - Q600 3 1.9 1.4 2.9 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 AC Operating current DC Operating current DC Operating current DC	esignation 15 12 13	230V 400V 500V 110V 24V 48V 60V 125V 220V	A A A A A A A A A A A A Cycles	10 A600 - Q600 3 1.9 1.4 2.9 2.9 2.9 1.4 1.1 0.3 0.1 0.6 20000000
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC	esignation 15 12	230V 400V 500V 110V 24V 48V 60V 125V 220V 600V	A A A A A A A A A A Cycles cycles	10 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 de Operating current AC Operating current DC Operating current DC Operating current DC	0d according to EN/ISO 13489-1	230V 400V 500V 110V 24V 48V 60V 125V 220V 600V	A A A A A A A A A A A Cycles cycles	10 A600 - Q600 3 1.9 1.4 2.9 2.9 2.9 1.4 1.1 0.3 0.1 0.6 20000000 500000
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B1	esignation 15 12 13 Od according to EN/ISO 13489-1	230V 400V 500V 110V 24V 48V 60V 125V 220V 600V	A A A A A A A A A A Cycles cycles	10 A600 - Q600 3 1.9 1.4 2.9 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 de Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B1 Mirror contats accordi	0d according to EN/ISO 13489-1	230V 400V 500V 110V 24V 48V 60V 125V 220V 600V	A A A A A A A A A A A Cycles cycles	10 A600 - Q600 3 1.9 1.4 2.9 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 de Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B1	esignation 15 12 13 Od according to EN/ISO 13489-1	230V 400V 500V 110V 24V 48V 60V 125V 220V 600V	A A A A A A A A A A A Cycles cycles	10 A600 - Q600 3 1.9 1.4 2.9 2.9 2.9 1.4 1.1 0.3 0.1 0.6 20000000 500000 500000

11BGP0901A12060



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, AC COIL 60HZ, 120VAC, 1NC AUXILIARY CONTACT, REAR PCB SOLDER PIN

Rated AC voltage at 6)Hz			V	120
C operating voltage					
	of 60Hz coil powered				
		pick-up		o	
			min	%Us	75
			max	%Us	115
		drop-out	min	%Us	20
			max	%Us %Us	20 55
AC average coil consu	imption at 20°C		IIIdX	/005	55
to average con const	of 50/60Hz coil powe	ared at 50Hz			
			in-rush	VA	30
			holding	VA	4
	of 50/60Hz coil powe	ered at 60Hz	Hording	.,,	•
			in-rush	VA	25
			holding	VA	3
	of 60Hz coil powered	at 60Hz			
	,		in-rush	VA	30
			holding	VA	4
Dissipation at holding :	≤20°C 50Hz			W	0.95
Max cycles frequency					
lechanical operation				cycles/h	3600
Operating times					
verage time for Us co	ontrol				
	in AC				
		Closing NO			
			min	ms	12
			max	ms	21
		Opening NO			0
			min	ms	9
			max	ms	18
		Closing NC	min	ms	17
			max	ms	26
		Opening NC	Шах	1113	20
		opening No	min	ms	7
			max	ms	, 17
	in DC				
	-	Closing NO			
		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
JL technical data					
ull-load current (FLA)	for three-phase AC m	otor			7.0
			at 480V	A	7.6
			at 600V	А	6.1

11BGP0901A12000 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

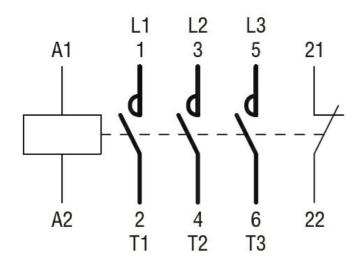


Yielded mechanical	performance		
	for single-phase AC motor		
	110/120\		0.5
	230	V HP	1.5
	for three-phase AC motor	/ UD	0
	200/208 ^v 220/230 ^v		2 3
	460/480		5
	575/600		5
General USE		<u> </u>	
	Contactor		
	AC currer	nt A	20
Contact rating of aux	iliary contacts according to UL		A600 - Q600
Ambient conditions			
Temperature			
	Operating temperature		
	mi		-50
	ma	x °C	+70
	Storage temperature mi	n °C	-60
	ma		+80
Max altitude		<u>~ 0</u> m	3000
Resistance & Protec	tion		
Pollution degree			3
			3
Pollution degree Dimensions 44 (1.73") (1.75") (1.75	4.4 (0.17") (0.06") (0.000)		3

Wiring diagrams



11BGP0901A12060 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, AC COIL 60HZ, 120VAC, 1NC AUXILIARY CONTACT, REAR PCB SOLDER PIN



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