



Product designation			Power contacto
Product type designation			BG06
Contact characteristics			
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Operational frequency			
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		Α	16
Operational current le			
	AC-1 (≤40°C)	А	16
	AC-1 (≤55°C)	A	14
	AC-1 (≤70°C)	A	12
	AC-3 (≤440V ≤55°C)	А	6
	AC-4 (400V)	А	3.3
Rated operational power AC-3 (T≤55°C)	- (/		
	230V	kW	1.5
	400V	kW	2.2
	415V	kW	2.4
	440V	kW	2.5
	500V	kW	3
	690V	kW	3
Rated operational power AC-1 (T≤40°C)			
	230V	kW	6
	400V	kW	10
	500V	kW	13
	690V	kW	18
EC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
	≤24V	А	9
	48V	А	8
	75V	А	4
	110V	А	3
	220V	А	-
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	≤24V	А	12
	48V	А	11
	75V	А	7
	110V	А	6
	220V	А	_
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
	≤24V	А	14
	48V	А	14
	75V	А	8



11BG0610A23060 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, AC COIL 60HZ, 230VAC, 1NO AUXILIARY CONTACT

220V А 1 IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series ≤24V А 48V А _ 75V A _ 110V А _ 220V А _ IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series ≤24V А 6 48V 5 А 2 75V А 1 110V А 220V А _ IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series ≤24V А 7 48V 7 А 75V А 4 110V 3 А 220V А _ IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series ≤24V А 9 48V 9 А 75V 5 А 110V А 4 220V 0,5 А IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series ≤24V А _ 48V А 75V А _ 110V А _ 220V А Short-time allowable current for 10s (IEC/EN60947-1) А 96 Protection fuse gG (IEC) А 16 aM (IEC) А 6 Making capacity (RMS value) А 92 Breaking capacity at voltage 440V А 72 500V 72 А 690V А 72

Resistance per pole (average value)		mΩ	10
Power dissipation per pole (average value)			
	Ith	W	2.6
	AC-3	W	0.36
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
	max	Nm	1
	min	Ibin	9



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Max number of wires	s simultaneously connectable	max	Ibin Nr.	9
Conductor section			INF.	2
Sonductor Section	AWG/Kcmil			
	AWG/RCIIII	max		12
	Flexible w/o lug conductor section	IIIdX		12
	The side w/o lug conductor section	min	mm²	0.75
		max	mm²	2.5
	Flexible c/w lug conductor section	Пах		2.0
		min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section			2.0
		min	mm²	1.5
		max	mm²	2.5
				IP20 when
Power terminal prote	ection according to IEC/EN 60529			properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Tixing				Screw / DIN rai
Fixing				35mm
Weight			g	186
Conductor section				
	AWG/kcmil conductor section			
		max		12
Auxiliary contact cha	racteristics			
Thermal current Ith			А	10
	lesignation		A	10 A600 - Q600
Thermal current Ith			A	
Thermal current lth EC/EN 60947-5-1 d		230V	A A	
Thermal current lth EC/EN 60947-5-1 d		230V 400V		A600 - Q600
Thermal current lth EC/EN 60947-5-1 d			A	A600 - Q600 3
Thermal current lth EC/EN 60947-5-1 d	C15	400V	A A	A600 - Q600 3 1.9
Thermal current Ith EC/EN 60947-5-1 d Operating current AC	C15	400V	A A	A600 - Q600 3 1.9
Thermal current Ith EC/EN 60947-5-1 d Operating current AC	C15 C12	400V 500V	A A A	A600 - Q600 3 1.9 1.4
Thermal current Ith EC/EN 60947-5-1 d Operating current AC	C15 C12	400V 500V	A A A	A600 - Q600 3 1.9 1.4
Thermal current Ith EC/EN 60947-5-1 d Operating current AC	C15 C12	400V 500V 110V	A A A A	A600 - Q600 3 1.9 1.4 2.9
Thermal current Ith EC/EN 60947-5-1 d Operating current AC	C15 C12	400V 500V 110V 24V 48V 60V	A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9
Thermal current Ith EC/EN 60947-5-1 d Operating current AC	C15 C12	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 EC/EN 60947-5-1 d Operating current AC	C15 C12	400V 500V 110V 24V 48V 60V 110V 125V	A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 2.9 1.4 1.2
Thermal current Ith EC/EN 60947-5-1 d Operating current AC	C15 C12	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3
Thermal current Ith EC/EN 60947-5-1 d Operating current AC Operating current DC	C15 C12	400V 500V 110V 24V 48V 60V 110V 125V	A A A A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55
Thermal current Ith EC/EN 60947-5-1 d Operating current AC Operating current DC Operating current DC	C15 C12	400V 500V 110V 24V 48V 60V 110V 125V 220V	A 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 1.2 0.6 0.55 0.3 0.1
Thermal current Ith EC/EN 60947-5-1 d Operating current AC Operating current DC Operating current DC Operations Mechanical life	C15 C12	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000
Thermal current Ith EC/EN 60947-5-1 d Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life	C15 C12	400V 500V 110V 24V 48V 60V 110V 125V 220V	A 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 1.2 0.6 0.55 0.3 0.1
Thermal current Ith EC/EN 60947-5-1 d Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	C15 C12 C13	400V 500V 110V 24V 48V 60V 110V 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 1.2 0.6 0.55 0.3 0.1 20000000
Thermal current Ith EC/EN 60947-5-1 d Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	C15 C12	400V 500V 110V 24V 48V 60V 110V 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 1.2 0.6 0.55 0.3 0.1 20000000
Thermal current Ith EC/EN 60947-5-1 d Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	C15 C12 C13	400V 500V 110V 24V 48V 60V 110V 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 1.2 0.6 0.55 0.3 0.1 20000000
Thermal current Ith EC/EN 60947-5-1 d Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	C12 C12 C13 C13	400V 500V 110V 24V 48V 60V 110V 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 1.2 0.6 0.55 0.3 0.1 20000000 500000
Thermal current Ith EC/EN 60947-5-1 d Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B	C12 C12 C13 C13	400V 500V 110V 24V 48V 60V 110V 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 1.2 0.6 0.55 0.3 0.1 20000000 500000 500000



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230VAC, 1NO AUXILIARY CONTACT

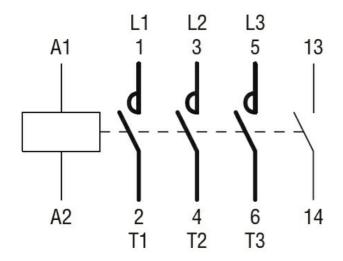
Rated AC voltage at 6	0Hz			V	230
AC operating voltage					
	of 60Hz coil powe				
		pick-up			
			min	%Us	75
			max	%Us	115
		drop-out		0/11	
			min	%Us	20
	mention at 20°C		max	%Us	55
AC average coil consu					
	of 50/60Hz coil p	owered at 50Hz	in-rush	VA	30
			holding	VA VA	4
		awarad at 60Hz	noiding	VA	4
	of 50/60Hz coil p		in-rush	VA	25
			holding	VA VA	3
	of 60Hz coil powe	ered at 60Hz	noiding	V/A	5
			in-rush	VA	30
			holding	VA	4
Dissipation at holding	≤20°C 50H7		noiding	W	0.95
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times				-,	
Average time for Us co	ontrol				
0	in AC				
		Closing NO			
		5	min	ms	12
			max	ms	21
		Opening NO			
			min	ms	9
			max	ms	18
		Closing NC			
			min	ms	17
			max	ms	26
		Opening NC			
			min	ms	7
			max	ms	17
	in DC	.			
		Closing NO	<u>.</u>		4.0
			min	ms	18
			max	ms	25
		Opening NO	!		2
			min	ms	2
		Closing NC	max	ms	3
			min	me	3
			min max	ms ms	3 5
		Opening NC	max	ms	5
			min	ms	11
			max	ms	17
JL technical data				113	17
Full-load current (FLA)) for three-phase $\Delta ($	Cmotor			
			at 480V	А	4.8
			at 600V	A	3.9
			at 666 V		

11BG0610A23060 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	I performance			
	for single-phase AC motor			
	0	110/120V	HP	0.3
		230V	HP	1
	for three-phase AC motor			
	·	200/208V	HP	1.5
		220/230V	HP	2
		460/480V	HP	3
		575/600V	HP	3
General USE				
	Contactor			
		AC current	А	16
Short-circuit protect	tion fuse. 600V			
	High fault			
	- ign radie	Short circuit current	kA	100
		Fuse rating	A	30
		Fuse class	7.	J
	Standard fault			0
		Short circuit current	kA	5
		Fuse rating	A	30
Contact rating of au	ixiliary contacts according to UL	i doo rating	7.	A600 - Q600
Ambient conditions				1000 0000
Temperature				
remperature	Operating temperature			
	Operating temperature	min	°C	-50
		max	°C	+70
	Storage temperature	Шах	0	+70
	Storage temperature	min	°C	-60
		max	°C	+80
Max altitude		IIIdA		3000
Resistance & Prote	oction		m	3000
				2
Pollution degree				3
Dimensions				
44 4.4 (0.17") (0.31") (0.			(2.28") 5	57 24") RF9
8.5 (0.33")		44		
Wiring diagrams				





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	
	CCC
	cULus
	EAC
ETIM classification	

ETIM 8.0

EC000066 -Power contactor, AC switching