



Product designation			Power contactor
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)	А	14
	AC-1 (≤70°C)	А	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
IEC 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	A	-
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	A	_
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
	≤24V	А	14
	48V	А	14
	75V	A	8
	110V	А	8

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THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, AC COIL 50/60HZ, 110VAC, 1NC AUXILIARY CONTACT

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	220V	А	1
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	≤24V	А	_
	48V	А	_
	75V	А	_
	110V	А	_
	220V	А	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	≤24V	А	6
	48V	A	5
	75V	A	2
	110V	A	1
	220V	A	I
IFC may autrent to in DC2 DC5 with L/D < 15mg with 2 nation in partice	220 V	A	_
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 2 poles in series	<0.4) /	۸	7
	≤24V	A	7
	48V	A	7
	75V	A	4
	110V	A	3
	220V	A	_
IEC max current le in DC3-DC5 with L/R \leq 15ms with 3 poles in series			
	≤24V	А	9
	48V	А	9
	75V	А	5
	110V	А	4
	220V	А	0,5
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)	A	6
Making capacity (RMS value)		A	92
		A	92
Breaking capacity at voltage	4 4 0 1 4	۸	70
	440V	A	72
	500V	A	72
	690V	<u>A</u>	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	lbin	9
	max	lbin	9
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	Ibin	9
	•••••		-

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Max number of wiree	simultaneously connectable	max	Ibin Nr.	9
Conductor section	Simulaneously connectable		INI.	2
	AWG/Kcmil			
	AWORKIM	max		12
	Flexible w/o lug conductor section	max		12
		min	mm²	0.75
		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 prote	ection according to IEC/EN 60529			IP20 when
· ·				properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN ra 35mm
			~	35mm 178
Weight Conductor section			g	170
Conductor Section	AWG/kcmil conductor section			
	AVVG/KCITIII CONductor Section	2001		12
Auviliary contact cha	ractaristics	max		12
Auxiliary contact char Thermal current Ith	racteristics	max	Α	
Thermal current Ith		max	A	10
Thermal current lth IEC/EN 60947-5-1 d	esignation	max	A	
Thermal current Ith	esignation			10 A600 - Q600
Thermal current lth IEC/EN 60947-5-1 d	esignation	230V	A	10 A600 - Q600 3
Thermal current lth IEC/EN 60947-5-1 d	esignation	230V 400V	A A	10 A600 - Q600 3 1.9
Thermal current Ith IEC/EN 60947-5-1 d Operating current AC	esignation C15	230V	A	10 A600 - Q600 3
Thermal current lth IEC/EN 60947-5-1 d	esignation C15	230V 400V 500V	A A A	10 A600 - Q600 3 1.9 1.4
Thermal current Ith IEC/EN 60947-5-1 d Operating current AC	esignation C15 C12	230V 400V	A A	10 A600 - Q600 3 1.9
Thermal current Ith IEC/EN 60947-5-1 d Operating current AC	esignation C15 C12	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 d Operating current AC	esignation C15 C12	230V 400V 500V	A A A	10 A600 - Q600 3 1.9 1.4 2.9 2.9
Thermal current Ith IEC/EN 60947-5-1 d Operating current AC	esignation C15 C12	230V 400V 500V 110V 24V	A A A A	10 A600 - Q600 3 1.9 1.4 2.9
Thermal current Ith IEC/EN 60947-5-1 d Operating current AC	esignation C15 C12	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 d Operating current AC	esignation C15 C12	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 1.2
Thermal current Ith IEC/EN 60947-5-1 d Operating current AC	esignation C15 C12	230V 400V 500V 110V 24V 48V 60V 110V	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 1.2 0.6
Thermal current Ith IEC/EN 60947-5-1 d Operating current AC	esignation C15 C12	230V 400V 500V 110V 24V 48V 60V 110V 125V	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 1.2 0.6 0.55
Thermal current Ith IEC/EN 60947-5-1 d Operating current AC	esignation C15 C12	230V 400V 500V 110V 24V 48V 60V 110V 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 1.2 0.6 0.55 0.3
Thermal current Ith IEC/EN 60947-5-1 d Operating current AC Operating current DC Operating current DC	esignation C15 C12	230V 400V 500V 110V 24V 48V 60V 110V 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 1.2 0.6 0.55 0.3
Thermal current Ith IEC/EN 60947-5-1 d Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life	esignation C15 C12	230V 400V 500V 110V 24V 48V 60V 110V 125V 220V	A A 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 1.2 0.6 0.55 0.3 0.1
Thermal current Ith IEC/EN 60947-5-1 d Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	esignation C15 C12 C13	230V 400V 500V 110V 24V 48V 60V 110V 125V 220V	A 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 1.2 0.6 0.55 0.3 0.1 20000000
Thermal current Ith IEC/EN 60947-5-1 d Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	esignation C15 C12	230V 400V 500V 110V 24V 48V 60V 110V 125V 220V	A 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 1.2 0.6 0.55 0.3 0.1 20000000
Thermal current Ith IEC/EN 60947-5-1 d Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	esignation C15 C12 C13 10d according to EN/ISO 13489-1	230V 400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A 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 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
Thermal current Ith IEC/EN 60947-5-1 d Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	esignation C15 C12 C13 10d according to EN/ISO 13489-1	230V 400V 500V 110V 24V 48V 60V 110V 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 1.2 0.6 0.55 0.3 0.1 20000000 500000
Thermal current Ith IEC/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	esignation C15 C12 C13 10d according to EN/ISO 13489-1	230V 400V 500V 110V 24V 48V 60V 110V 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 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000

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THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, AC COIL 50/60HZ, 110VAC, 1NC AUXILIARY CONTACT

Rated AC voltage at	50/60Hz			V	110
AC operating voltage					
	of 50/60Hz coil	powered at 50Hz			
		pick-up			
			min	%Us	75
			max	%Us	115
		drop-out		0/11-	0.0
			min	%Us	20
		powered at 60Hz	max	%Us	55
		powered at 60Hz pick-up			
		ριοκ-αρ	min	%Us	80
			max	%Us	115
		drop-out	max	/000	110
			min	%Us	20
			max	%Us	55
AC average coil cons	sumption at 20°C				
č		powered at 50Hz			
			in-rush	VA	30
			holding	VA	4
	of 50/60Hz coil	powered at 60Hz			
			in-rush	VA	25
			holding	VA	3
	of 60Hz coil pov	vered at 60Hz			
			in-rush	VA	30
				1/1	4
			holding	VA	
Dissipation at holding			noiding	W	0.95
Max cycles frequency	/		nolaing	W	0.95
Max cycles frequency Mechanical operation	/		noiaing		0.95
Max cycles frequency Mechanical operation Operating times	/		nolaing	W	0.95
Max cycles frequency Mechanical operation	control		noiding	W	0.95
Max cycles frequency Mechanical operation Operating times	/	Closing NO	nolaing	W	0.95
Max cycles frequency Mechanical operation Operating times	control	Closing NO		W cycles/h	0.95 3600
Max cycles frequency Mechanical operation Operating times	control	Closing NO	min	W cycles/h ms	0.95 3600 12
Max cycles frequency Mechanical operation Operating times	control			W cycles/h	0.95 3600
Max cycles frequency Mechanical operation Operating times	control	Closing NO Opening NO	min	W cycles/h ms	0.95 3600 12 21
Max cycles frequency Mechanical operation Operating times	control		min max	W cycles/h ms ms	0.95 3600 12
Max cycles frequency Mechanical operation Operating times	control		min max min	W cycles/h ms ms ms	0.95 3600 12 21 9
Max cycles frequency Mechanical operation Operating times	control	Opening NO	min max min	W cycles/h ms ms ms	0.95 3600 12 21 9 18 17
Max cycles frequency Mechanical operation Operating times	control	Opening NO Closing NC	min max min max	W cycles/h ms ms ms ms	0.95 3600 12 21 9 18
Max cycles frequency Mechanical operation Operating times	control	Opening NO	min max min max min max	W cycles/h ms ms ms ms ms ms	0.95 3600 12 21 9 18 17 26
Max cycles frequency Mechanical operation Operating times	control	Opening NO Closing NC	min max min max min max min max min	W cycles/h ms ms ms ms ms ms ms ms	0.95 3600 12 21 9 18 17 26 7
Max cycles frequency Mechanical operation Operating times	control in AC	Opening NO Closing NC	min max min max min max	W cycles/h ms ms ms ms ms ms	0.95 3600 12 21 9 18 17 26
Max cycles frequency Mechanical operation Operating times	control	Opening NO Closing NC Opening NC	min max min max min max min max min	W cycles/h ms ms ms ms ms ms ms ms	0.95 3600 12 21 9 18 17 26 7
Max cycles frequency Mechanical operation Operating times	control in AC	Opening NO Closing NC	min max min max min max min max min max	W cycles/h ms ms ms ms ms ms ms ms ms	0.95 3600 12 21 9 18 17 26 7 17
Max cycles frequency Mechanical operation Operating times	control in AC	Opening NO Closing NC Opening NC	min max min max min max min max min max	W cycles/h ms ms ms ms ms ms ms ms ms	0.95 3600 12 21 9 18 17 26 7 17 17
Max cycles frequency Mechanical operation Operating times	control in AC	Opening NO Closing NC Opening NC Closing NO	min max min max min max min max min max	W cycles/h ms ms ms ms ms ms ms ms ms	0.95 3600 12 21 9 18 17 26 7 17
Max cycles frequency Mechanical operation Operating times	control in AC	Opening NO Closing NC Opening NC	min max min max min max min max min max	W cycles/h ms ms ms ms ms ms ms ms ms ms	0.95 3600 12 21 9 18 17 26 7 17 17 18 25
Max cycles frequency Mechanical operation Operating times	control in AC	Opening NO Closing NC Opening NC Closing NO	min max min max min max min max min max min max min max	W cycles/h ms ms ms ms ms ms ms ms ms ms ms	0.95 3600 12 21 9 18 17 26 7 17 17 18 25 2
Max cycles frequency Mechanical operation Operating times	control in AC	Opening NO Closing NC Opening NC Closing NO Opening NO	min max min max min max min max min max	W cycles/h ms ms ms ms ms ms ms ms ms ms	0.95 3600 12 21 9 18 17 26 7 17 17 18 25
Max cycles frequency Mechanical operation Operating times	control in AC	Opening NO Closing NC Opening NC Closing NO	min max min max min max min max min max min max min max	W cycles/h ms ms ms ms ms ms ms ms ms ms ms	0.95 3600 12 21 9 18 17 26 7 17 17 18 25 2

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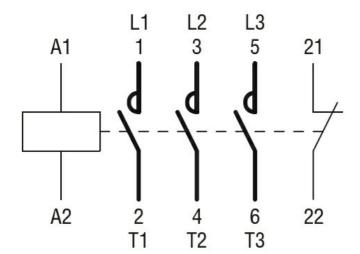
THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, AC COIL 50/60HZ, 110VAC, 1NC AUXILIARY CONTACT

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	Opening	NC		
		min	ms	11
		max	ms	17
UL technical data				
Full-load current (FLA)	for three-phase AC motor			
		at 480V	А	4.8
		at 600V	Α	3.9
Yielded mechanical pe	erformance			
	for single-phase AC motor			
		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
0		575/600V	HP	3
General USE	Orantestan			
	Contactor		•	4.0
Oh ent einen it set teti	fuer (00)/	AC current	A	16
Short-circuit protection				
	High fault		1. 4	100
		Short circuit current	kA	100
		Fuse rating	A	30
	Standard fault	Fuse class		J
	Standard lauit	Short circuit current	kA	F
				5 30
Contact rating of auxili	ary contacts according to UL	Fuse rating	A	A600 - Q600
Ambient conditions				A000 - Q000
Temperature				
remperature	Operating temperature			
	Operating temperature	min	°C	-50
		max	°C	+70
	Storage temperature	Шах	0	
		min	°C	-60
		max	°C	+80
Max altitude		тих	 	3000
Resistance & Protection	on			
Pollution degree				3
Dimensions				
44 4.4 (0.17") (0.18") (0.38") (0.	8 (2.24")		(228") S	57 24") RF9 (3.51") 7.6 (0.30")
8.5 (0.33") Wiring diagrams		(1.73")		(3.51")

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