



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			Ū
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	IIIdX	A	16
		A	10
Operational current le	AC 1 (<10°C)	٨	10
	AC-1 (≤40°C)	A	16
	AC-1 (≤55°C)	A	14
	AC-1 (≤70°C)	A	12
	AC-3 (≤440V ≤55°C)	A	6
	AC-4 (400V)	A	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	Α	_
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series	≤24V	А	14
IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series	≤24V 48V	A A	14 14
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			



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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 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 3 110V А 220V А _ IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series ≤24V 9 А 48V 9 А 75V 5 А 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) А 6 Making capacity (RMS value) А 92 Breaking capacity at voltage 440V А 72 500V А 72 690V А 72 Resistance per pole (average value) mΩ 10 Power dissipation per pole (average value) W 2.6 lth AC-3 W 0.36 Tightening torque for terminals min Nm 0.8 max Nm 1 min Ibin 9 lbin 9 max Tightening torque for coil terminal min Nm 0.8 Nm 1 max min lbin 9



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Max number of wires	simultaneously connectable	max	Ibin Nr.	9
Conductor section	sinditaneously connectable		INI.	Z
	AWG/Kcmil			
		max		12
	Flexible w/o lug conductor section	тах		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	ction according to IEC/EN 60529			IP20 when
ower terminal prote	clion according to IEC/EN 60529			properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rai
				35mm
Neight			g	185
Conductor section				
	AWG/kcmil conductor section			
		max		12
Auxiliary contact char	racteristics		•	4.0
Thermal current Ith	· .		A	10
E(') = N E(0)/(1) = 5 = 1 di	esignation			$\Lambda BOO = OBOO$
EC/EN 60947-5-1 de				A600 - Q600
Derating current AC				
		230V	A	3
		400V	А	3 1.9
Dperating current AC	15			3
	15	400V 500V	A A	3 1.9 1.4
Dperating current AC	215	400V	А	3 1.9
Dperating current AC	215	400V 500V 110V	A A A	3 1.9 1.4 2.9
Dperating current AC	215	400V 500V 110V 24V	A A A	3 1.9 1.4 2.9 2.9
Dperating current AC	215	400V 500V 110V 24V 48V	A A A A A	3 1.9 1.4 2.9 2.9 1.4
Dperating current AC	215	400V 500V 110V 24V 48V 60V	A A A A A A	3 1.9 1.4 2.9 2.9 1.4 1.2
Dperating current AC	215	400V 500V 110V 24V 48V 60V 110V	A A A A A A A A	3 1.9 1.4 2.9 2.9 1.4 1.2 0.6
Dperating current AC	215	400V 500V 110V 24V 48V 60V 110V 125V	A A A A A A A A A	3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55
Dperating current AC	215	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A	3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3
Dperating current AC Dperating current DC Dperating current DC	215	400V 500V 110V 24V 48V 60V 110V 125V	A A A A A A A A A	3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55
Dperating current AC Dperating current DC Dperating current DC	215	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A A	3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Dperating current AC Dperating current DC Dperating current DC Dperations Mechanical life	215	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A Cycles	3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000
Dperating current AC Dperating current DC Dperating current DC Dperations Mechanical life Electrical life	215	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A A	3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Dperating current AC Dperating current DC Dperating current DC Dperations Mechanical life Electrical life Safety related data	215	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A Cycles	3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000
Dperating current AC Dperating current DC Dperating current DC Dperations Mechanical life Electrical life Safety related data	215	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A A Cycles cycles	3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
Dperating current AC Dperating current DC Dperating current DC Dperations Mechanical life Electrical life Safety related data	215 212 213 10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A Cycles cycles	3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000 500000
Dperating current AC Dperating current DC Dperating current DC Dperating current DC Dperations Mechanical life Electrical life Safety related data Performance level B	215 212 213 10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A A Cycles cycles	3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000 500000 500000
Dperating current AC Dperating current DC Dperating current DC Dperating current DC Dperations Mechanical life Electrical life Safety related data Performance level B	215 212 213 10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A Cycles cycles	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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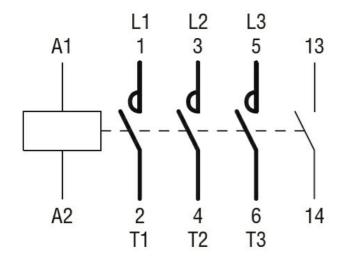
Rated AC voltage a				V	220
AC operating voltag					
	of 60Hz coil pow				
		pick-up	min	%Us	75
			min max	%Us %Us	75 115
		drop-out	max	/003	115
			min	%Us	20
			max	%Us	55
AC average coil coi	nsumption at 20°C				
	of 50/60Hz coil r	powered at 50Hz			
			in-rush	VA	30
			holding	VA	4
	of 50/60Hz coil p	powered at 60Hz	in much	\ / A	05
			in-rush	VA	25 2
	of 60Hz coil pow	vered at 60Hz	holding	VA	3
			in-rush	VA	30
			holding	VA	4
Dissipation at holdir	וg ≤20°C 50Hz			W	0.95
Max cycles frequen	-				
Mechanical operation	ึ่งท			cycles/h	3600
Operating times					
Average time for Us					
	in AC	.			
		Closing NO			10
			min max	ms ms	12 21
		Opening NO	max	1113	21
		oponing ito	min	ms	9
			max	ms	18
		Closing NC			
				ms	17
			min		17
			min max	ms	26
		Opening NC	max	ms	26
		Opening NC	max min	ms ms	26 7
		Opening NC	max	ms	26
	in DC		max min	ms ms	26 7
	in DC	Opening NC Closing NO	max min max	ms ms ms	26 7 17
	in DC		max min max min	ms ms ms ms	26 7 17 18
	in DC		max min max	ms ms ms	26 7 17
	in DC	Closing NO	max min max min	ms ms ms ms	26 7 17 18
	in DC	Closing NO Opening NO	max min max min max	ms ms ms ms ms	26 7 17 18 25
	in DC	Closing NO	max min max min max min max	ms ms ms ms ms ms	26 7 17 18 25 2 3
	in DC	Closing NO Opening NO	max min max min max min max min	ms ms ms ms ms ms ms ms	26 7 17 18 25 2 3 3
	in DC	Closing NO Opening NO Closing NC	max min max min max min max	ms ms ms ms ms ms ms	26 7 17 18 25 2 3
	in DC	Closing NO Opening NO	max min max min max min max min max	ms ms ms ms ms ms ms ms ms	26 7 17 18 25 2 3 3 5
	in DC	Closing NO Opening NO Closing NC	max min max min max min max min max min	ms ms ms ms ms ms ms ms ms	26 7 17 18 25 2 3 3 5 11
	in DC	Closing NO Opening NO Closing NC	max min max min max min max min max	ms ms ms ms ms ms ms ms ms	26 7 17 18 25 2 3 3 5
JL technical data		Closing NO Opening NO Closing NC Opening NC	max min max min max min max min max min	ms ms ms ms ms ms ms ms ms	26 7 17 18 25 2 3 3 5 11
	in DC	Closing NO Opening NO Closing NC Opening NC	max min max min max min max min max min	ms ms ms ms ms ms ms ms ms	26 7 17 18 25 2 3 3 5 11

11BG0610A22060 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