



Product designation Product type designation			Power contactor 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		А	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	A	8
	75V	A	4
	110V	A	3
	220V	A	-
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	≤24V	A	12
	48V	A	11
	75V	A	7
	110V	A	6
	220V	A	-
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series	-0.11		
	≤24V	A	14
	48V	A	14
	75V	A	8
	110V	A	8

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	220V	А	1
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	2201	7	1
	≤24V	А	_
	48V	A	_
	75V	A	_
	110V	A	_
	220V	A	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	≤24V	А	6
	48V	А	5
	75V	А	2
	110V	А	1
	220V	А	-
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	≤24V	А	7
	48V	А	7
	75V	А	4
	110V	А	3
	220V	А	_
IEC max current le in DC3-DC5 with L/R ≤ 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 $\leq$ 15ms with 4 poles in series			
	≤24V	А	-
	48V	А	-
	75V	А	-
	110V	А	-
	220V	Α	_
Short-time allowable current for 10s (IEC/EN60947-1)		Α	96
Protection fuse			
	gG (IEC)	А	16
	aM (IEC)	Α	6
Making capacity (RMS value)		Α	92
Breaking capacity at voltage			
	440V	А	72
	500V	А	72
	690V	A	72
Resistance per pole (average value)		mΩ	10
Power dissipation per pole (average value)			
	lth	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	simultaneously connectable	max	Ibin Nr.	9
Conductor section	simultaneously connectable		INF.	2
Conductor Section	AWG/Kcmil			
		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	ction according to IEC/EN 60529			IP20 when
-				properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN ra
Waight			~	35mm 179
Weight Conductor section			g	179
Conductor section	AWG/kcmil conductor section			
	AWG/KCIIII CONductor Section	may		12
Auxiliary contact char	acteristics	max		12
Thermal current Ith			A	10
			/ \	10
IEC/EN 60947-5-1 de	esignation			A600 - Q600
IEC/EN 60947-5-1 de				A600 - Q600
IEC/EN 60947-5-1 de Operating current AC		230V	A	
		230V 400V	A	3
		400V	А	3 1.9
Operating current AC	15			3
	15	400V	А	3 1.9 1.4
Operating current AC	212	400V 500V	A A	3 1.9
Operating current AC	212	400V 500V	A A	3 1.9 1.4
Operating current AC	212	400V 500V 110V	A A A	3 1.9 1.4 2.9
Operating current AC	212	400V 500V 110V 24V	A A A	3 1.9 1.4 2.9 2.9
Operating current AC	212	400V 500V 110V 24V 48V	A A A A	3 1.9 1.4 2.9 2.9 1.4
Operating current AC	212	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
Operating current AC	212	400V 500V 110V 24V 48V 60V 110V 125V 220V	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
Operating current AC Operating current DC Operating current DC	212	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
Operating current AC Operating current DC Operating current DC	212	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
Operating current AC Operating current DC Operating current DC Operations Mechanical life	212	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
Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life	212	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
Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	212	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
Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	212	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
Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	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
Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B <sup>2</sup>	115 212 213 10d according to EN/ISO 13489-1 m	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
Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B <sup>2</sup>	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 at 5	0/60Hz			V	24
C operating voltage					
	of 50/60Hz coil p	powered at 50Hz			
		pick-up		0/11	75
			min	%Us	75
		dana avat	max	%Us	115
		drop-out	min	%Us	20
			min	%Us %Us	20 55
		powered at 60Hz	max	7005	55
		pick-up			
		ρισκ-αρ	min	%Us	80
			max	%Us	115
		drop-out	тах	/003	110
			min	%Us	20
			max	%Us	55
C average coil consu	umption at 20°C			,	
		powered at 50Hz			
			in-rush	VA	30
			holding	VA	4
	of 50/60Hz coil a	powered at 60Hz	9		
	· · F		in-rush	VA	25
			holding	VA	3
	of 60Hz coil pow	vered at 60Hz			
			in-rush	VA	30
			holding	VA	4
Dissipation at holding	≤20°C 50Hz			W	0.95
Max cycles frequency					
				cycles/h	3600
Operating times				cycles/h	3600
Operating times				cycles/h	3600
Operating times	ontrol in AC			cycles/h	3600
Operating times		Closing NO			
Operating times		Closing NO	min	ms	12
Operating times			min max		
Operating times		Closing NO Opening NO	max	ms ms	12 21
Operating times			max	ms ms ms	12 21 9
Operating times		Opening NO	max	ms ms	12 21
Operating times			max min max	ms ms ms ms	12 21 9 18
Operating times		Opening NO	max min max min	ms ms ms ms ms	12 21 9 18 17
Operating times		Opening NO Closing NC	max min max	ms ms ms ms	12 21 9 18
Mechanical operation Dperating times Average time for Us c		Opening NO	max min max min max	ms ms ms ms ms ms	12 21 9 18 17 26
Operating times		Opening NO Closing NC	max min max min max min	ms ms ms ms ms ms ms	12 21 9 18 17 26 7
Operating times	in AC	Opening NO Closing NC	max min max min max	ms ms ms ms ms ms	12 21 9 18 17 26
Operating times		Opening NO Closing NC Opening NC	max min max min max min	ms ms ms ms ms ms ms	12 21 9 18 17 26 7
Operating times	in AC	Opening NO Closing NC	max min max min max min max	ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17
Operating times	in AC	Opening NO Closing NC Opening NC	max min max min max min max	ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 18
Operating times	in AC	Opening NO Closing NC Opening NC Closing NO	max min max min max min max	ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17
Operating times	in AC	Opening NO Closing NC Opening NC	max min max min max min max	ms ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 18 25
Dperating times	in AC	Opening NO Closing NC Opening NC Closing NO	max min max min max min max min max min	ms ms ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 18 25 2
perating times	in AC	Opening NO Closing NC Opening NC Closing NO Opening NO	max min max min max min max	ms ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 18 25
Dperating times	in AC	Opening NO Closing NC Opening NC Closing NO	max min max min max min max min max	ms ms ms ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 18 25 2 3
Operating times	in AC	Opening NO Closing NC Opening NC Closing NO Opening NO	max min max min max min max min max min	ms ms ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 18 25 2



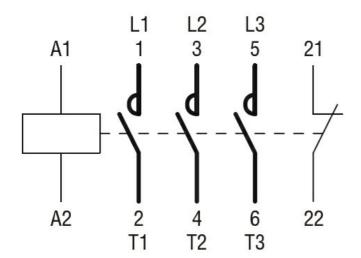
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	Opening	NC		
		min	ms	11
		max	ms	17
UL technical data				
Full-load current (FLA	<ul> <li>A) for three-phase AC motor</li> </ul>	at 480V	А	4.8
		at 600V	A	3.9
Yielded mechanical p	erformance	ut 000 v		0.0
· · · · · · · · · · · · · · · · · · ·	for 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 HP	2 3
		460/480V 575/600V	нР НР	3
General USE		373/000	T (E	5
	Contactor			
		AC current	А	20
Short-circuit protectio	n fuse, 600V			
	High fault			
		Short circuit current	kA	100
		Fuse rating	A	30
	Standard fault	Fuse class		J
	Standard fault	Short circuit current	kA	5
		Fuse rating	A	30
Contact rating of auxi	liary contacts according to UL		7.	A600 - Q600
Ambient conditions	, , , , , , , , , , , , , , , , , , , ,			
Temperature				
	Operating temperature			
		min	°C	-50
	2	max	°C	+70
	Storage temperature	min	°C	-60
		max	°C O°	-60 +80
Max altitude		Пах	m	3000
Resistance & Protect	ion			
Pollution degree				3
Dimensions				
4.4 (0.17") (0.17") (0.17") (0.33") (0.33") (0.33") (0.38")	57 (2.24") (1.37")		(2.28") 5	57 .24") RF9
8.5 (0.33")		44 (1.73")	L	89.2



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, AC COIL 50/60HZ, 24VAC, 1NC AUXILIARY CONTACT



## Certifications and compliance

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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