



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)	Α	16
	AC-3 (≤440V ≤55°C)	Α	6
	AC-4 (400V)	Α	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 ≤ 1ms with 1 poles in series			
	≤24V	Α	9
	48V	Α	8
	75V	Α	4
	110V	Α	3
	220V	Α	_
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
	≤24V	Α	12
	48V	Α	11
	75V	Α	7
	110V	Α	6
	220V	A	_
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
	≤24V	Α	14
	48V	Α	14
	75V	Α	8
	110V	Α	8
	220V	Α	1

IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series



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	≤24V	Α	_
	48V	Α	_
	75V	Α	_
	110V	Α	_
	220V	Α	<u>_</u>
IEC may current to in DC2 DC5 with L/D < 15mg with 1 pales in parion	220 V		
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series	40.41.4		•
	≤24V	Α	6
	48V	Α	5
	75V	Α	2
	110V	Α	1
	220V	Α	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
·	≤24V	Α	7
	48V	Α	7
	75V	Α	4
	110V	A	3
150 DOS DOS 111 L D . 15 D . 1	220V	A	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
	≤24V	Α	9
	48V	Α	9
	75V	Α	5
	110V	Α	4
	220V	Α	0,5
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
TEO THAX GATTOTIC III BOO BOO WILL ETT = TOTHO WILL 4 POICE III SOLICE	≤24V	Α	
	48V		_
		A	_
	75V	Α	_
	110V	Α	_
	220V	Α	
Short-time allowable current for 10s (IEC/EN60947-1)		Α	96
Protection fuse			
	gG (IEC)	Α	16
	aM (IEC)	Α	6
Making capacity (RMS value)	()	Α	92
Breaking capacity at voltage			
broaking capacity at voltage	4401/	٨	72
	440V	A	
	500V	Α	72
	690V	Α	72
Resistance per pole (average value)		mΩ	10
Power dissipation per pole (average value)			
	Ith	W	2.6
	AC3	W	0.36
Tightening torque for terminals			
	min	Nm	0.8
		Nm	
	max		1
	min	lbin	9
	max	lbin	9
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	lbin	9
	max	lbin	9
Max number of wires simultaneously connectable	max	Nr.	2



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01				
Conductor section	AMC/Komil			
	AWG/Kcmil	may		12
	Flexible w/o lug conductor section	max		14
	The state of the s	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 protect	ction according to IEC/EN 60529			IP20 when
Mechanical features				properly wired
Operating position				
- L		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight			g	185
Conductor section			<u>_</u>	_
	AWG/kcmil conductor section			
		max		12
Auxiliary contact chara	acteristics			
Thermal current Ith			Α	10
IEC/EN 60947-5-1 de	~			A600 - Q600
Operating current AC	15	0001/	Δ.	0
		230V 400V	A A	3 1.9
		500V	A	1.4
Operating current DC	12	300 V		1.7
oporating current Do	12	110V	Α	2.9
Operating current DC	13			
, ,		24V	Α	2.9
		48V	Α	1.4
		60V	Α	1.2
		110V	Α	0.6
		125V	Α	0.55
		220V	A	0.3
Onevations		600V	Α	0.1
Operations Mechanical life			ovolco	20000000
Electrical life			cycles cycles	20000000 500000
Safety related data			cycles	300000
	0d according to EN/ISO 13489-1			
. 3.13.1.141100 10401 D1		rated load	cycles	500000
		anical load	cycles	2000000
Mirror contats accordi	ng to IEC/EN 609474-4-1		<u>, , , , , , , , , , , , , , , , , , , </u>	yes
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 6	0Hz		V	460
AC operating voltage		_		



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	of 60Hz coil powered	at 60Hz			
	0. 001 12 0011 porrorou	pick-up			
			min	%Us	75
			max	%Us	115
		drop-out			
			min	%Us	20
			max	%Us	55
AC average coil consu	mption at 20°C				
	of 50/60Hz coil power	ed at 50Hz			
			in-rush	VA	30
			holding	VA	4
	of 50/60Hz coil power	ed at 60Hz			
			in-rush	VA	25
			holding	VA	3
	of 60Hz coil powered	at 60Hz		1.70	0.0
			in-rush	VA	30
Dissipation at halding	<00°C FOLI-		holding	VA	4
Dissipation at holding	\$20°C 50HZ			W	0.95
Max cycles frequency Mechanical operation				cycles/h	3600
Operating times				Cycles/II	3000
Average time for Us co	ontrol				
Average uniterior es oc	in AC				
		Closing NO			
		Grooming 110	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	Cleains NO			
		Closing NO	main.		40
			min	ms	18 25
		Opening NO	max	ms	25
		Opening NO	min	ms	2
			max	ms	3
		Closing NC			
		5 -	min	ms	3
			max	ms	5
		Opening NC			
			min	ms	11
			max	ms	17
UL technical data					
Full-load current (FLA)	for three-phase AC mo	tor			
			at 480V	Α	4.8
			at 600V	Α	3.9
Yielded mechanical pe					
	for single-phase AC n	notor			



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 Α 16 Short-circuit protection fuse, 600V High fault Short circuit current kΑ 100 30 Fuse rating Α Fuse class J Standard fault 5 Short circuit current kΑ Fuse rating Α 30 Contact rating of auxiliary contacts according to UL A600 - Q600 Ambient conditions Temperature Operating temperature °C -50 min °C +70 max Storage temperature °C -60 min °C +80 max Max altitude m 3000 Resistance & Protection Pollution degree 3