



			20 40 50
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	Α	_
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



=24V Α 48V Α 75V Α 110V Α 220V Α IEC max current le in DC3-DC5 with L/R = 15ms with 1 poles in series =24V Α 6 48V 5 Α 2 75V Α 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 Α 3 220V 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 4 110V Α 220V Α 0,5 IEC max current le in DC3-DC5 with L/R = 15ms with 4 poles in series =24V Α 48V Α 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) 6 Making capacity (RMS value) Α 92 Breaking capacity at voltage 440V Α 72 500V Α 72 690V 72 Α Resistance per pole (average value) m? 10 Power dissipation per pole (average value) lth W 2.6 AC3 W 0.36 Tightening torque for terminals min Nm 0.8 Nm 1 max Ibin 9 min Ibin 9 max Tightening torque for coil terminal Nm 0.8 min Nm max 1 Ibin 9 min max Ibin 9 Max number of wires simultaneously connectable Nr. 2



ENERGY AND AUTOMATION

Conductor section	ANAIO ((C:1			
	AWG/Kcmil	may		12
	Flexible w/o lug conductor section	max		12
	Tionible w/o lag deflaction dedition	min	mm²	0.75
		max	mm²	2.5
	Flexible c/w lug conductor section			
	J	min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section			
		min	mm²	1.5
		max	mm²	2.5
	ction according to IEC/EN 60529			IP20 when wired
Mechanical features				
Operating position				Monthsolve
		normal		Vertical plan
		allowable		±30° Screw / DIN rail
Fixing				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	esignation			A600 - Q600
Operating current AC	15			
		230V	Α	3
		400V	Α	1.9
<u> </u>	10	500V	A	1.4
Operating current DC	12	440)/		0.0
On a ratio a average DC	40	110V	A	2.9
Operating current DC	13	24V	٨	2.9
		48V	A A	1.4
		60V	A	1.2
		110V	A	0.6
		125V	A	0.55
		220V	Α	0.3
		600V	Α	0.1
Operations				
Mechanical life			cycles	20000000
Electrical life			cycles	500000
Safety related data				
Performance level B1	l0d according to EN/ISO 13489-1			
		rated load	cycles	500000
B 41		hanical load	cycles	20000000
	ing to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating	2011-		\/	160
Rated AC voltage at 6 AC operating voltage	DUIT		V	460
VC operation collection				

of 60Hz coil powered at 60Hz



ENERGY AND AUTOMATION

		pick-up			
		ριοκ-αρ	min	%Us	75
			max	%Us	115
		drop-out	Пах	7000	110
		arop out	min	%Us	20
			max	%Us	55
AC average coil consu	umption at 20°C				
3	•	powered at 50Hz			
		,	in-rush	VA	30
			holding	VA	4
	of 50/60Hz coil	powered at 60Hz	<u> </u>		
		•	in-rush	VA	25
			holding	VA	3
	of 60Hz coil pov	wered at 60Hz	<u> </u>		
			in-rush	VA	30
			holding	VA	4
Dissipation at holding	=20°C 50Hz		<u> </u>	W	0.95
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us of	ontrol				
	in AC				
		Closing NO			
			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			
			min	ms	18
			max	ms	25
		Opening NO			
			min	ms	2
			max	ms	3
		Closing NC			
			min	ms	3
		_	max	ms	5
		Opening NC			
			min	ms	11
			max	ms	17
UL technical data					
Full-load current (FLA)) tor three-phase A	AC motor		_	
			at 480V	Α	4.8
			at 600V	Α	3.9
Yielded mechanical pe					
	for single-phase	e 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
		575/600V	HP	3
General USE				
	Contactor			
		AC current	Α	16
Short-circuit protection f				
	High fault			
		Short circuit current	kA	100
		Fuse rating	Α	30
		Fuse class		J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	Α	30
	y contacts according to UL			A600 - Q600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	+70
	Storage temperature			
		min	°C	-60
		max	°C	+80
Max altitude			m	3000
Resistance & Protection	1			
Pollution degree				3