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Product designation Product type designation			Power contactor BG06
Contact characteristics			2000
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-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 ≤ 1ms with 1 poles in series			
	≤24V	А	9
	48V	А	8
	75V	А	4
	110V	А	3
	220V	А	_
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
	≤24V	А	12
	48V	А	11
	75V	А	7
	110V	А	6
	220V	А	_
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
	≤24V	А	14
	48V	А	14
	75V	А	8
	110V	А	8
	220V	А	1
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			

IEC max current le in DC1 with  $L/R \le 1$ ms 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	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	A	7
	75V	A	4
	110V	A	3
	220V	A	5
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	2201	Δ.	
	≤24V	А	9
	48V	A	9
	48V 75V	A	5
	110V		
	220V	A A	4
IFC may summent to in DC2 DC5 with 1/D < 45ms with 4 males in series	2200	A	0,5
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 4 poles in series	<2417	۸	
	≤24V	A	_
	48V	A	_
	75V	A	_
	110V	A	_
	220V	<u>A</u>	-
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)		А	92
Breaking capacity at voltage			
	440V	А	72
	500V	А	72
	690V	Α	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
	max	Ibin	9
Max number of wires simultaneously connectable		Nr.	2
			-



Conductor section				
	AWG/Kcmil	may		12
	Flexible w/o lug conductor section	max		12
		min	mm²	0.75
		max	mm²	2.5
	Flexible c/w lug conductor section			
	U U	min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section	n		
		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 rail 35mm
Weight			g	185
Conductor section			-	
	AWG/kcmil conductor section			
		max		12
Auxiliary contact char	racteristics			
Thermal current Ith			Α	10
IEC/EN 60947-5-1 de	-			A600 - Q600
Operating current AC	215			
		230V	A	3
		400V	A	1.9
	240	500V	A	1.4
Operating current DC	J12	4401/	•	0.0
Operating ourrest DC	12	110V	A	2.9
Operating current DC	13	241/	۸	2.0
		24V 48V	A A	2.9 1.4
		48V 60V	A	1.4
		110V	A	0.6
		125V	A	0.55
		220V	A	0.3
		600V	А	0.1
Operations				
Mechanical life			cycles	20000000
Electrical life			cycles	500000
Safety related data				
Performance level B	10d according to EN/ISO 13489-1			
		rated load	cycles	500000
		mechanical load	cycles	20000000
	ling to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating			N/	400
Rated AC voltage at 0			V	460
AC operating voltage				

11BG0601A46060 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



	of 60Hz coil powe				
		pick-up	min	%Us	75
				%Us %Us	75 115
		drop out	max	7005	115
		drop-out	min	%Us	20
			max	%Us	20 55
AC average coil cons	umption at 20°C		IIIdA	/003	55
AC average con cons	of 50/60Hz coil p	owered at 50Hz			
	01 30/00112 COII p		in-rush	VA	30
			holding	VA VA	4
	of 50/60Hz coil p	owered at 60Hz	noiding	٧٨	4
	01 30/00112 0011 p		in-rush	VA	25
			holding	VA	3
	of 60Hz coil powe	ered at 60Hz	noiding	VA	0
			in-rush	VA	30
			holding	VA	4
Dissipation at holding	<20°C 50H7		noiding	W	0.95
Max cycles frequency				vv	0.00
Max cycles nequency Mechanical operation				cycles/h	3600
Operating times				0,000,0	0000
Average time for Us of	control				
worage une for 05 (	in AC				
		Closing NO			
			min	ms	12
			max	ms	21
		Opening NO	max	1113	21
		Opening NO	min	ms	9
			max	ms	18
		Closing NC	max	1115	10
			min	ms	17
			max	ms	26
		Opening NC	max	mo	20
			min	ms	7
			max	ms	, 17
	in DC		Παλ		
		Closing NO			
		c.comy rto	min	ms	18
			max	ms	25
		Opening NO	max		
		Cpoining 110	min	ms	2
			max	ms	3
		Closing NC	max		~
		e.com.g 110	min	ms	3
			max	ms	5
		Opening NC	max		~
			min	ms	11
			max	ms	17
JL technical data					17
	) for three-phase A	C motor			
- ull-load ourront / EL /				_	
Full-load current (FLA	,			Λ	10
Full-load current (FLA	,		at 480V at 600V	A A	4.8 3.9

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
		575/600V	HP	3
General USE				
	Contactor			
		AC current	А	16
Short-circuit protect	tion fuse, 600V			
	High fault			
	5	Short circuit current	kA	100
		Fuse rating	А	30
		Fuse class		J
	Standard fault			-
		Short circuit current	kA	5
		Fuse rating	A	30
Contact rating of au	uxiliary contacts according to UL			A600 - Q600
Ambient conditions				1000 4000
Temperature				
remperature	Operating temperature			
	Operating temperature	min	°C	-50
		max	°C	+70
	Storago tomporaturo	Шал	C	+70
	Storage temperature	min	°C	-60
			°C	-60 +80
		max		
Max altitude			m	3000
Resistance & Prote				<u>^</u>
Pollution degree				3