11BG0610D060 electric THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, DC COIL, 60VDC, 1NO AUXILIARY CONTACT



Product designation			Power contactor
Product type designation			BG06
Contact characteristics			B G 00
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Operational frequency		i v	•
operational nequency	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	max	A	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	A	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	-0.01	•	40
	≤24V	A	12
	48V	A	11
	75V	A	7
	110V	A	6
IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series	220V	A	_
The max current le in DCT with $L/R \ge 1005$ with 5 poles in series	≤24V	٨	11
		A	14
	48V 75V	A	14
		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			
	≤24V	А	_
	48V	А	_
	75V	А	_
	110V	А	_
	220V	А	-
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 1 poles in series			
	≤24V	А	6
	48V	А	5
	75V	А	2
	110V	А	1
	220V	Α	_
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 2 poles in series			
	≤24V	А	7
	48V	А	7
	75V	А	4
	110V	А	3
	220V	Α	_
IEC max current le in DC3-DC5 with L/R \leq 15ms with 3 poles in series			
	≤24V	А	9
	48V	А	9
	75V	А	5
	110V	А	4
	220V	Α	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	A	_
Short-time allowable current for 10s (IEC/EN60947-1)		Α	96
Protection fuse			
	gG (IEC)	A	16
	aM (IEC)	A	6
Making capacity (RMS value)		А	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	lbin	9
	max	lbin	9
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	lbin	9



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Max number of wires	simultaneously connectable	max	lbin Nr.	9 2
Conductor section			INF.	2
	AWG/Kcmil			
		max		12
	Flexible w/o lug conductor section			
	-	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			4 5
		min max	mm² mm²	1.5 2.5
		Шал		IP20 when
Power terminal prote	ction according to IEC/EN 60529			properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rai
				35mm
Weight			g	220
Conductor section	AWG/kcmil conductor section			
	Awg/kcmil conductor section	max		12
Auxiliary contact char	acteristics	max		12
Thermal current Ith			А	10
IEC/EN 60947-5-1 de	esignation			A600 - Q600
Operating current AC	-			
		230V	А	3
		400V	А	1.9
		500V	А	1.4
Operating current DC	12			
		110V	А	2.9
Operating current DC	13			
		24V	A	2.9
		48V	A	1.4
		60V 110V	A A	1.2 0.6
		125V	A	0.55
		220V	A	0.3
		600V	A	0.1
Operations				
Mechanical life			cycles	20000000
Electrical life			cycles	500000
Safety related data				
Performance level B1	10d according to EN/ISO 13489-1			
		rated load	cycles	500000
		mechanical load	cycles	20000000
	ing to IEC/EN 609474-4-1			yes
EMC compatibility				yes
DC coil operating				

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DC rated control voltage	je			V	60
DC operating voltage					
	pick-up				
			min	%Us	75
			max	%Us	115
	drop-out				
			min	%Us	10
<u> </u>			max	%Us	25
Average coil consump	tion $\leq 20^{\circ}$ C		ia wyah	147	2.0
			in-rush	W W	3.2
Max evelos freguenev			holding	VV	3.2
Max cycles frequency Mechanical operation				cycles/h	3600
Operating times				cycles/fi	3000
Average time for Us co	ontrol				
Average and for 03 cc	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	m 0	10
			min max	ms ms	18 25
		Opening NO	Παλ	1115	25
		Opening NO	min	ms	2
			max	ms	3
		Closing NC	man		-
		- 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 A	C motor			
			at 480V	Α	4.8
<u></u>	,		at 600V	Α	3.9
Yielded mechanical pe					
	for single-phase	AC motor	440/4001		0.0
			110/120V	HP	0.3
	for three phase ^	C motor	230V	HP	1
	for three-phase A		200/208V	HP	1.5
			200/208V 220/230V	HP	2
			460/480V	HP	3
			575/600V	HP	3
			010/0001		~

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General USE				
	Contactor		^	4.0
Short-circuit protect	ion fuso 600V	AC current	Α	16
	High fault			
	rightaan	Short circuit current	kA	100
		Fuse rating	A	30
		Fuse class		J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	A	30
	xiliary contacts according to UL			A600 - Q600
Ambient conditions				
Temperature	Operating temperature			
	Operating temperature	min	°C	-50
		max	°Č	+70
	Storage temperature		2	-
	- ·	min	°C	-60
		max	°C	+80
Max altitude			m	3000
Resistance & Prote	ction			-
Pollution degree Dimensions				3
(0.17") (0.	(2.24") (2.24") (887 (887 (887 (1.37")		(228") 50	RF9
Wiring diagrams	L1 L2 L3			
A1	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			
Certifications and co Compliance	ompliance			
	CSA C22.2 n° 60947-1			
	CSA CZZ.Z II 00947-1			



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	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