11BG0610D024 electric THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 6A, DC COIL, 24VDC, 1NO AUXILIARY CONTACT



Product designation			Power contactor
Product type designation			BG06
Contact characteristics		Nir	3
Number of poles		Nr. V	<u> </u>
Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp		kV	6
		ĸv	0
Operational frequency	min	Hz	25
		Hz	400
IEC Conventional free air thermal current Ith	max	A	16
Operational current le		~	10
	AC-1 (≤40°C)	А	16
	AC-1 (≤55°C)	A	14
	AC-1 (≤70°C)	A	12
	AC-3 (≤440V ≤55°C)	A	6
	AC-4 (400V)	A	3.3
Rated operational power AC-3 (T≤55°C)		~~~~	0.0
	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	А	8
	75V	А	4
	110V	А	3
	220V	Α	_
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	≤24V	А	12
	48V	А	11
	75V	А	7
	110V	А	6
	220V	A	-
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
	≤24V	А	14
	48V	А	14
	75V	A	8
	110V	А	8

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	220V	Α	1
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
ľ	≤24V	А	_
	48V	A	
	48V 75V		-
		A	_
	110V	A	-
	220V	Α	
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 1 poles in series			
	≤24V	А	6
	48V	А	5
	75V	A	2
	110V	A	1
	220V	A	_
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 2 poles in series			
	≤24V	Α	7
	48V	А	7
	75V	А	4
	110V	A	3
	220V	A	-
	2200	A	
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 3 poles in series		-	
	≤24V	Α	9
	48V	Α	9
	75V	А	5
	110V	А	4
	220V	A	0,5
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 4 poles in series	2201	7.	0,0
The max current le in DC3-DC3 with $L/R \leq 15$ ms with 4 poles in series	-0.414		
	≤24V	Α	_
	48V	А	-
	75V	Α	-
	110V	А	_
	220V	А	_
Short-time allowable current for 10s (IEC/EN60947-1)		Α	96
Protection fuse		73	
FIOLECIION TUSE			4.0
	gG (IEC)	Α	16
	aM (IEC)	A	6
Making capacity (RMS value)		Α	92
Breaking capacity at voltage			
	440V	А	72
	500V	A	72
	690V		
	0907	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	Ibin	9
	111111		5



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		max	lbin	9
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			10
	Flavible w/a lug conductor agation	max		12
	Flexible w/o lug conductor section	min	mm²	0.75
		max	mm²	2.5
	Flexible c/w lug conductor section	IIIdx		2.0
		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
	clion according to IEC/EN 00529			properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail
Waight			~	35mm
Weight Conductor section			g	230
Conductor Section	AWG/kcmil conductor section			
	AWG/Remil 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
		300 v		1.4
Operating current DC	:12	5007		1.4
Operating current DC	12	110V	A	2.9
		110V 24V		2.9 2.9
		110V 24V 48V	A A A	2.9 2.9 1.4
		110V 24V 48V 60V	A A A A	2.9 2.9 1.4 1.2
		110V 24V 48V 60V 110V	A A A A A	2.9 2.9 1.4 1.2 0.6
		110V 24V 48V 60V 110V 125V	A A A A A A	2.9 2.9 1.4 1.2 0.6 0.55
		110V 24V 48V 60V 110V 125V 220V	A A A A A A A	2.9 2.9 1.4 1.2 0.6 0.55 0.3
Operating current DC		110V 24V 48V 60V 110V 125V	A A A A A A	2.9 2.9 1.4 1.2 0.6 0.55
Operating current DC		110V 24V 48V 60V 110V 125V 220V	A A A A A A A A	2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Operating current DC Operations Mechanical life		110V 24V 48V 60V 110V 125V 220V	A A A A A A A A Cycles	2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000
Operating current DC Operations Mechanical life Electrical life		110V 24V 48V 60V 110V 125V 220V	A A A A A A A A	2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Operating current DC Operations Mechanical life Electrical life Safety related data	213	110V 24V 48V 60V 110V 125V 220V	A A A A A A A A Cycles	2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000
Operating current DC Operations Mechanical life Electrical life Safety related data		110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A Cycles cycles	2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B <sup>2</sup>	10d according to EN/ISO 13489-1	110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A Cycles cycles	2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000 500000
Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B <sup>2</sup>	213 10d according to EN/ISO 13489-1 med	110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A Cycles cycles	2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000 500000 500000 20000000
Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B <sup>2</sup>	10d according to EN/ISO 13489-1	110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A Cycles cycles	2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000 500000

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DC rated control voltage	je			V	24
DC operating voltage					
	pick-up				
			min	%Us	75
			max	%Us	115
	drop-out				
			min	%Us	10
Average soil consumption	tion <20°C		max	%Us	25
Average coil consump	1011 ≤20 C		in-rush	W	3.2
			holding	W	3.2
Max cycles frequency			noiding	vv	5.2
Machanical operation				cycles/h	3600
Operating times				0,000,11	0000
Average time for Us co	ontrol				
	in AC				
		Closing NO			
		J J J J J J J J J J J J J J J J J J J	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
	in DC		max	ms	17
	III DC	Closing NO			
			min	ms	18
			max	ms	25
		Opening NO			
		1 3	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	for three shares 1	\C motor			
Full-load current (FLA)	ior three-phase A		-1 40014	^	4.0
			at 480V	A A	4.8
Yielded mechanical pe	rformance		at 600V	А	3.9
neided mechanical pe	for single-phase	AC motor			
	ior on gio-priase		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

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General USE				
	Contactor			
		AC current	A	16
Short-circuit protect				
	High fault			
		Short circuit current	kA	100
		Fuse rating	А	30
		Fuse class		J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	A	30
	ixiliary 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 & Prote	ection			
Pollution degree				3
Dimensions				
4.4 (0.17") (0.17") (0.37") (0.33") (0.33") (0.38 (0.33") (0.38 (0.33") (0.38)	7"		(2.28") 5	57 24") RF9 
Wiring diagrams A1 A1 A1 A2 Certifications and c	L1 L2 L3 1 $3$ $5$ $13d$ $d$ $d$ $d$ $ d$ $d$ $d$ $ 2$ $4$ $6$ $14T1 T2 T3Ompliance$			
Compliance				
Compliando	CSA C22.2 n° 60947-1			
	CSA C22.2 n° 60947-4-1			
	007 022.211 00347-4-1			



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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