



Product designation Product type designation			Power contactor BG09
Contact characteristics			2000
Number of poles		Nr.	4
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	20
Operational current le			
	AC-1 (=40°C)	А	20
	AC-1 (=55°C)	A	18
	AC-1 (=70°C)	A	15
	AC-3 (=440V =55°C)	A	9
	AC-4 (400V)	A	4
Rated operational power AC-1 (T=40°C)			
	230V	kW	8
	400V	kW	14
	500V	kW	16
	690V	kW	22
Short-time allowable current for 10s (IEC/EN60947-1)		A	96
Protection fuse			00
	gG (IEC)	А	20
	aM (IEC)	A	10
Making capacity (RMS value)	J (	A	92
Breaking capacity at voltage		,,	02
Breaking capacity at voltage	440V	А	72
	500V	A	72
	690V	A	72
Resistance per pole (average value)	0001	m?	10
Power dissipation per pole (average value)			10
	lth	W	4
	AC3	Ŵ	0.81
Tightening torque for terminals	/////		0.01
	min	Nm	0.8
	max	Nm	1
	min	Ibin	9
	max	Ibin	9
Tightening torque for coil terminal	IIIdA	10111	<u> </u>
	min	Nm	0.8
	max	Nm	1
	min	Ibin	9
	max	Ibin	9
Max number of wires simultaneously connectable	IIIdX	Nr.	2
wax number or wires simulaneously connectable		INI.	۷



Conductor section

Conductor section				
	AWG/Kcmil			12
	Flexible w/o lug conductor section	max		12
		min	mm²	0.75
		max	mm²	2.5
	Flexible c/w lug conductor section	max		2.0
		min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section			2.0
		min	mm²	1.5
		max	mm²	2.5
Power terminal protect	tion according to IEC/EN 60529			IP20 when wired
Mechanical features	<b>.</b>			
Operating position				
51		normal		Vertical plan
		allowable		±30°
				Screw / DIN rail
Fixing				35mm
Weight			g	179
Conductor section				
	AWG/kcmil conductor section			
		max		12
Auxiliary contact chara	acteristics			
Thermal current Ith			А	10
IEC/EN 60947-5-1 de	signation			A600
Operating current DC	12			
		110V	А	2.9
Operating current DC	13			
		24V	А	2.9
		48V	А	1.4
		60V	А	1.1
		125V	А	0.3
		220V	A	0.1
		600V	A	0.6
Operations				
Mechanical life			cycles	2000000
Electrical life			cycles	500000
Safety related data				
Performance level B1	0d according to EN/ISO 13489-1			
		rated load	cycles	500000
<b>.</b>		nechanical load	cycles	2000000
	ing to IEC/EN 609474-4-1			YES
EMC compatibility				yes
AC coil operating			M	24
Rated AC voltage at 5	50/60HZ		V	24
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up	min	%Us	75
		min	%Us %Us	75 115
	drop-out	max	/005	113
	arop-out	min	%Us	20
			/003	20



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	FOUR-POLE CONTAC	CTOR, AC COIL 50/6	0HZ, 24V	AC, 2NO A	ND 2NC
		max	%Us	55	
60Hz coil powe	red at 60Hz				

			max	%US	55
	of 50/60Hz coil	powered at 60Hz			
		pick-up			
		plot up		0/11-	80
			min	%Us	
			max	%Us	115
		drop-out			
			min	%Us	20
			max	%Us	55
			Παλ	/005	55
C average coil coi	nsumption at 20°C				
	of 50/60Hz coil	powered at 50Hz			
			in-rush	VA	30
			holding	VA	4
		nowarad at COL	noiding	V/ (	7
	01 20/00HZ COII	powered at 60Hz			
			in-rush	VA	25
			holding	VA	3
	of 60Hz coil po	wered at 60Hz	-		
			in-rush	VA	30
			holding	VA	4
Dissipation at holdir	ng =20°C 50Hz			W	0.95
lax cycles frequen	-				
lechanical operatio				cycles/h	3600
				0,0100/11	0000
Operating times					
verage time for Us	s control				
	in AC				
		Closing NO			
		0.000g 0	min	ms	12
			max	ms	21
		Opening NO			
			min	ms	9
			max	ms	18
		Closing NC	max	inio	10
		Closing NC			47
			min	ms	17
			max	ms	26
		Opening NC	max	ms	26
		Opening NC			
		Opening NC	min	ms	7
		Opening NC			
	in DC		min	ms	7
	in DC	Opening NC Closing NO	min	ms	7
	in DC		min max	ms ms	7 17
	in DC		min max min	ms ms	7 17 18
	in DC	Closing NO	min max	ms ms	7 17
	in DC		min max min max	ms ms ms ms	7 17 18 25
	in DC	Closing NO	min max min	ms ms	7 17 18
	in DC	Closing NO	min max min max	ms ms ms ms	7 17 18 25
	in DC	Closing NO Opening NO	min max min max min	ms ms ms ms ms	7 17 18 25 2
	in DC	Closing NO	min max min max min max	ms ms ms ms ms ms	7 17 18 25 2 3
	in DC	Closing NO Opening NO	min max min max min max min	ms ms ms ms ms ms ms	7 17 18 25 2 3 3
	in DC	Closing NO Opening NO Closing NC	min max min max min max	ms ms ms ms ms ms	7 17 18 25 2 3
	in DC	Closing NO Opening NO	min max min max min max min	ms ms ms ms ms ms ms	7 17 18 25 2 3 3
	in DC	Closing NO Opening NO Closing NC	min max min max min max min	ms ms ms ms ms ms ms	7 17 18 25 2 3 3
	in DC	Closing NO Opening NO Closing NC	min max min max min max min max min	ms ms ms ms ms ms ms ms ms	7 17 18 25 2 3 3 5 11
	in DC	Closing NO Opening NO Closing NC	min max min max min max min max	ms ms ms ms ms ms ms	7 17 18 25 2 3 3 5
		Closing NO Opening NO Closing NC Opening NC	min max min max min max min max min	ms ms ms ms ms ms ms ms ms	7 17 18 25 2 3 3 5 11
	in DC	Closing NO Opening NO Closing NC Opening NC	min max min max min max min max min	ms ms ms ms ms ms ms ms ms	7 17 18 25 2 3 3 5 11
		Closing NO Opening NO Closing NC Opening NC	min max min max min max min max min max	ms ms ms ms ms ms ms ms ms	7 17 18 25 2 3 3 5 11 17
JL technical data Full-load current (Fl		Closing NO Opening NO Closing NC Opening NC	min max min max min max min max min	ms ms ms ms ms ms ms ms ms	7 17 18 25 2 3 3 5 11

11BG09T2A024The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and<br/>functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



	fan einele altere AO meter			
	for single-phase AC motor	440/4001/		o =
		110/120V	HP	0.5
		230V	HP	1.5
	for three-phase AC motor			
		200/208V	HP	2
		220/230V	HP	3
		460/480V	HP	5
		575/600V	HP	5
General USE				
	Contactor			
		AC current	А	20
Ambient conditions				
Temperature				
•	Operating temperature			
		min	°C	-50
		max	°Ċ	+70
	Storage temperature	Тах		
	etologe temperature	min	°C	-60
		max	°C	+80
Max altitude		Шах	 	3000
Resistance & Protection	on		111	3000
Pollution degree				3
Dimensions				3
4.4 (0.17") (0	34.9 (1.37")		28") 5	57 .24") RF9 9 9 
-	1 R1 R3 3 O NC NC NO			

## Certifications and compliance Compliance

CSA C22.2 n° 60947-1	
CSA C22.2 n° 60947-4-1	
IEC/EN 60947-1	



	IEC/EN 60947-4-1	
	UL 60947-1	
	UL 60947-4-1	
Certificates		
	CCC	
	cULus	
	EAC	
ETIM classificatior	1	
		EC000066 -

ETIM 8.0

Power contactor, AC switching