



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	.			
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
.		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
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") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (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