



Product designation			Power contactor
Product type designation			BG09
Contact characteristics		N la	4
Number of poles		Nr. V	4 690
Rated insulation voltage Ui IEC/EN		kV	
Rated impulse withstand voltage Uimp		KV	6
Operational frequency	min		25
	min	Hz Hz	25 400
IEC Conventional free air thermal current Ith	max	<u>п</u> 2 А	20
Operational current le		A	20
	AC-1 (≤40°C)	А	20
	AC-1 (≤55°C)	A	18
	AC-1 (≤33°C) 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)	710 + (+001)	7	
	230V	kW	8
	400V	kW	14
	500V	kW	16
	690V	kW	22
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
	≤24V	А	12
	48V	A	10
	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	15
	48V	А	14
	75V	А	9
	110V	А	8
	220V	А	_
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
	≤24V	А	16
	48V	А	16
	75V	А	10
	110V	А	10
	220V	A	2
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series			
	≤24V	А	16
	48V	A	16
	75V	A	10
	110V	A	10
	220V	A	2



EC may autrent to in DC2 DC5 with $1/D < 4Ema with 4 matrix in a minimum.$			
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 1 poles in series	≤24V	٨	7
	≤24V 48V	A	7
	48V 75V	A	6
	75V 110V	A A	2 1
	220V	А	_
EC max current le in DC3-DC5 with $L/R \le 15$ ms with 2 poles in series	-0 U (
	≤24V	A	8
	48V	А	8
	75V	А	5
	110V	А	4
	220V	А	-
EC max current le in DC3-DC5 with $L/R \le 15$ ms with 3 poles in series			
	≤24V	А	10
	48V	А	10
	75V	А	6
	110V	А	5
	220V	А	0,8
EC max current le in DC3-DC5 with $L/R \le 15$ ms with 4 poles in series			,
	≤24V	А	10
	48V	A	10
	75V	A	6
	110V	A	5
	220V	A	0,8
hort-time allowable current for 10s (IEC/EN60947-1)	220 V	A	96
rotection fuse		~	30
		٨	20
	gG (IEC)	A	20
	aM (IEC)	A	10
laking capacity (RMS value)		Α	92
reaking capacity at voltage		-	
	440V	Α	72
	500V	А	72
	690V	А	72
esistance per pole (average value)		mΩ	10
ower dissipation per pole (average value)		_	
	Ith	W	4
		W	0.81
	AC-3	* *	
ghtening torque for terminals	AC-3		
ightening torque for terminals			
ightening torque for terminals	min	Nm	0.8
ightening torque for terminals	min max	Nm Nm	0.8 1
ightening torque for terminals	min max min	Nm Nm Ibin	0.8 1 9
	min max	Nm Nm	0.8 1
	min max min max	Nm Nm Ibin Ibin	0.8 1 9 9
	min max min max min	Nm Nm Ibin Ibin	0.8 1 9 9 9
	min max min max min max	Nm Nm Ibin Ibin Nm Nm	0.8 1 9 9 0.8 1
	min max min max min max min	Nm Nm Ibin Ibin Nm Ibin	0.8 1 9 9 0.8 1 9
ightening torque for coil terminal	min max min max min max	Nm Ibin Ibin Nm Ibin Ibin	0.8 1 9 9 9 0.8 1 9 9
ightening torque for coil terminal	min max min max min max min	Nm Nm Ibin Ibin Nm Ibin	0.8 1 9 9 0.8 1 9
ightening torque for coil terminal lax number of wires simultaneously connectable onductor section	min max min max min max min	Nm Ibin Ibin Nm Ibin Ibin	0.8 1 9 9 9 0.8 1 9 9
ightening torque for coil terminal	min max min max min max min	Nm Ibin Ibin Nm Ibin Ibin	0.8 1 9 9 0.8 1 9 9 9 2
ightening torque for terminals ightening torque for coil terminal ightening torque for coil terminal Ax number of wires simultaneously connectable Conductor section AWG/Kcmil	min max min max min max min	Nm Ibin Ibin Nm Ibin Ibin	0.8 1 9 9 9 0.8 1 9 9
ightening torque for coil terminal	min max min max min max min max	Nm Ibin Ibin Nm Ibin Ibin	0.8 1 9 9 0.8 1 9 9 9 2



		max	mm²	2.5
	Flexible c/w lug conductor section	IIIdA		2.0
		min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conducto	or section		
		min	mm²	1.5
		max	mm²	2.5
Power terminal protect	ction according to IEC/EN 60529			IP20 when
	.			properly wired
Mechanical features				
Operating position		normal		Vertical plan
		allowable		±30°
				Screw / DIN rail
Fixing				35mm
Weight			g	180
Conductor section				
	AWG/kcmil conductor section			
		max		12
Auxiliary contact chara	acteristics			10
Thermal current Ith			Α	10
IEC/EN 60947-5-1 de	signation			A600
Operations				0000000
Mechanical life			cycles	2000000
Electrical life			cycles	500000
Safety related data	0d according to EN/ISO 13489-1			
r enormance level Di	ou according to EN/ISO 13489-1	rated load	cycles	500000
		mechanical load	cycles	20000000
Mirror contats accordi	ing to IEC/EN 609474-4-1		0)0.00	yes
EMC compatibility	5			yes
AC coil operating				, ,
Rated AC voltage at 5	50/60Hz		V	400
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up			
		min	%Us	75
	· · ·	max	%Us	115
	drop-out		0/11-	20
		min	%Us %Us	20 55
	of 50/60Hz coil powered at 60Hz	max	%Us	55
	pick-up			
	ρισκ-αρ	min	%Us	80
		max	%Us	115
	drop-out	max		
		min	%Us	20
		max	%Us	55
AC average coil cons	umption at 20°C			
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	30
		holding	VA	4
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	25

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11BG09T4A400

FOUR-POLE CONTACTOR, AC COIL 50/60HZ, 400VAC

		holding	VA	3
	of 60Hz coil powered at 60Hz	in-rush	VA	30
		holding	VA VA	4
Dissipation at holding	a ≤20°C 50Hz	noiding	W	0.95
Max cycles frequenc				0.00
Mechanical operation			cycles/h	3600
Operating times			·	
Average time for Us	control			
	in AC			
	Closing NO			
		min	ms	12
		max	ms	21
	Opening NO			•
		min	ms	9
		max	ms	18
	Closing NC	min	ma	17
		min	ms	17 26
	Opening NC	max	ms	20
	Opening NC	min	ms	7
		max	ms	, 17
	in DC	Пах	1110	.,
	Closing NO			
	g	min	ms	18
		max	ms	25
	Opening NO			
		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				
Full-load current (FL	A) for three-phase AC motor	-+ 4001/	٨	7.6
		at 480V at 600V	A A	7.6 6.1
Yielded mechanical	porformanco	at 000 v	A	0.1
neideu mechanicai	for single-phase AC motor			
	IN SINGLE-PIRASE AC INCLU	110/120V	HP	0.5
		230V	HP	1.5
	for three-phase AC motor	2007		
		200/208V	HP	2
		220/230V	HP	3
		460/480V	HP	5
		575/600V	HP	5
General USE				
	Contactor			
		AC current	А	20
Short-circuit protecti	on fuse, 600V			
	High fault			
		Short circuit current	kA	100

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11BG09T4A400 FOUR-POLE CONTACTOR, AC COIL 50/60HZ, 400VAC

	Fuse rating	А	30
	Fuse class		J
Standard fault			-
	Short circuit current Fuse rating	kA A	5 30
	Fuse class	A	RK5
Ambient conditions			
Temperature			
Operating temperature			
	min	°C	-50
-	max	°C	+70
Storage temperature		°C	<u>60</u>
	min	°C ℃	-60 +80
Max altitude	max	 	3000
Resistance & Protection			5000
Pollution degree			3
Dimensions			-
$\begin{array}{c} 4.4 \\ (0.17") \\ (0.17") \\ (0.17") \\ (0.3") \\ (0.33") \\ 8.5 \\ (0.33") \\ 8.5 \\ (0.33") \\ 8.5 \\ (0.33") \\ 8.5 \\ (0.33") \\ (0.38") \\ (1.37") \\ \end{array}$	44 (1.73")	(2.28") 50	57 .24") RF9 9 9
Wiring diagrams			
$A1 \qquad 1 \qquad 3 \qquad 5 \qquad 7$ $A1 \qquad J \qquad $			
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

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ETIM 8.0

ETIM clas

EC000066 -Power contactor, AC switching