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Product designation			Power contactor
Product type designation			BG09
Contact characteristics			
Number of poles		Nr.	3
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		Α	20
Operational current le			
	AC-1 (≤40°C)	А	20
	AC-1 (≤55°C)	А	18
	AC-1 (≤70°C)	А	15
	AC-3 (≤440V ≤55°C)	А	9
	AC-4 (400V)	А	4
Rated operational power AC-3 (T≤55°C)			
	230V	kW	2.2
	400V	kW	4
	415V	kW	4.3
	440V	kW	4.5
	500V	kW	5
	690V	kW	5
Rated operational power AC-1 (T≤40°C)			
	230V	kW	8
	400V	kW	14
	500V	kW	16
	690V	kW	22
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
	≤24V	А	12
	48V	А	10
	75V	А	4
	110V	А	3
	220V	А	-
IEC max current le in DC1 with $L/R \le 1$ ms 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	Α	10



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MINICONTACTEUR, BG0910A, 3P+1NO, 9A AC3, 230V 50/60HZ

	220V	А	2
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series			
	≤24V	А	16
	48V	А	16
	75V	А	10
	110V	А	10
	220V	A	2
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	≤24V	А	7
	48V	A	6
	75V	A	2
	110V	A	-
	220V	A	_
IEC max current le in DC3-DC5 with L/R \leq 15ms with 2 poles in series	2201	7	
	≤24V	А	8
	48V	A	8
	48V 75V	A	5
	110V	A	5 4
	220V	A	_
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 3 poles in series	-0.0.4		4.0
	≤24V	A	10
	48V	A	10
	75V	Α	6
	110V	A	5
	220V	A	0,8
IEC max current le in DC3-DC5 with L/R \leq 15ms with 4 poles in series			
	≤24V	А	10
	48V	А	10
	75V	А	6
	110V	А	5
	220V	Α	0,8
Short-time allowable current for 10s (IEC/EN60947-1)		Α	96
Protection fuse			
	gG (IEC)	А	20
	aM (IEC)	А	10
Making capacity (RMS value)		А	92
Breaking capacity at voltage			
	440V	А	72
	500V	А	72
	690V	А	72
Resistance per pole (average value)		mΩ	10
Power dissipation per pole (average value)			
	lth	W	4
	AC-3	W	
Tightening torque for terminals	AC 3	۷V	0.01
rightening torque for terminals	min	Nm	0.8
	min	Nm	
	max		1
	min	lbin Ibin	9
Tightoning torque for coll torreine!	max	lbin	9
Tightening torque for coil terminal		N 1 -	0.0
	min	Nm	0.8
	max	Nm	1
	min	Ibin	9



		max	Ibin	9
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil	moy		12
	Flexible w/o lug conductor section	max		12
	Flexible w/o lug conductor section	min	mm²	0.75
		max	mm²	2.5
	Flexible c/w lug conductor section	max		2.5
		min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section	Шал		2.0
		min	mm²	1.5
		max	mm²	2.5
		max		IP20 when
Power terminal prote	ction according to IEC/EN 60529			properly wired
Mechanical features				1 - 1 - 2
Operating position				
		normal		Vertical plan
		allowable		±30°
Fiving				Screw / DIN rai
Fixing				35mm
Weight			g	182
Conductor section				
	AWG/kcmil conductor section			
		max		12
Auxiliary contact chai	racteristics			
Thermal current Ith			Α	10
IEC/EN 60947-5-1 de				A600 - Q600
Operating current AC	215			
		230V	А	3
		200 V		
		400V	А	1.9
			A A	1.9 1.4
Operating current DC	012	400V		
		400V		
		400V 500V 110V	А	1.4 2.9
		400V 500V 110V 24V	A A A	1.4 2.9 2.9
		400V 500V 110V 24V 48V	A A A A	1.4 2.9 2.9 1.4
		400V 500V 110V 24V 48V 60V	A A A A A	1.4 2.9 2.9 1.4 1.2
		400V 500V 110V 24V 48V 60V 110V	A A A A	1.4 2.9 2.9 1.4 1.2 0.6
		400V 500V 110V 24V 48V 60V 110V 125V	A A A A A A A A	1.4 2.9 2.9 1.4 1.2 0.6 0.55
		400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A	1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3
Operating current DC		400V 500V 110V 24V 48V 60V 110V 125V	A A A A A A A A	1.4 2.9 2.9 1.4 1.2 0.6 0.55
Operating current DC		400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A	1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Operating current DC Operations Mechanical life		400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A Cycles	1.4 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		400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A	1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	213	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A Cycles	1.4 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		400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A Cycles cycles	1.4 2.9 1.4 1.2 0.6 0.555 0.3 0.1 20000000 500000
Operating current DC Operations Mechanical life Electrical life Safety related data	213 10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A Cycles cycles	1.4 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	213 10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A Cycles cycles	1.4 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B	213 10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A Cycles cycles	1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000 500000

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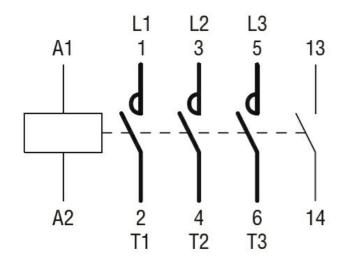
Rated AC voltage at 5	0/60Hz			V	230
AC operating voltage					
	of 50/60Hz coil	powered at 50Hz			
		pick-up			
			min	%Us	75
			max	%Us	115
		drop-out		0/11-	00
			min	%Us	20
		powered at 60Hz	max	%Us	55
		powered at 60H2 pick-up			
		ρισκ-αρ	min	%Us	80
			max	%Us	115
		drop-out	Пах	/000	110
			min	%Us	20
			max	%Us	55
AC average coil consu	umption at 20°C		···•#		
J		powered at 50Hz			
			in-rush	VA	30
			holding	VA	4
	of 50/60Hz coil	powered at 60Hz	0		
			in-rush	VA	25
			holding	VA	3
	of 60Hz coil pov	vered at 60Hz			
			in-rush	VA	30
			holding	VA	4
Dissipation at holding	≤20°C 50Hz			W	0.95
Max cycles frequency					
Mechanical operation				cycles/h	3600
Mechanical operation Operating times				cycles/h	3600
Mechanical operation				cycles/h	3600
Mechanical operation Operating times	ontrol in AC			cycles/h	3600
Mechanical operation Operating times		Closing NO	min		
Mechanical operation Operating times		Closing NO	min	ms	12
Mechanical operation Operating times		-	min max		
Mechanical operation Operating times		Closing NO Opening NO	max	ms ms	12 21
Mechanical operation Operating times		-	max	ms ms ms	12 21 9
Mechanical operation Operating times		Opening NO	max	ms ms	12 21
Mechanical operation Operating times		-	max min max	ms ms ms ms	12 21 9 18
Mechanical operation Operating times		Opening NO	max	ms ms ms	12 21 9
Mechanical operation Operating times		Opening NO	max min max min	ms ms ms ms ms	12 21 9 18 17
Mechanical operation Operating times		Opening NO Closing NC	max min max min	ms ms ms ms ms	12 21 9 18 17
Mechanical operation Operating times	in AC	Opening NO Closing NC	max min max min max	ms ms ms ms ms ms	12 21 9 18 17 26
Mechanical operation Operating times		Opening NO Closing NC Opening NC	max min max min max min	ms ms ms ms ms ms	12 21 9 18 17 26 7
Mechanical operation Operating times	in AC	Opening NO Closing NC	max min max min max min max	ms ms ms ms ms ms	12 21 9 18 17 26 7 17
Mechanical operation Operating times	in AC	Opening NO Closing NC Opening NC	max min max min max min max	ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 18
Mechanical operation Operating times	in AC	Opening NO Closing NC Opening NC Closing NO	max min max min max min max	ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17
Mechanical operation Operating times	in AC	Opening NO Closing NC Opening NC	max min max min max min max	ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 17
Mechanical operation Operating times	in AC	Opening NO Closing NC Opening NC Closing NO	max min max min max min max min max min	ms ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 17 18 25 2
Mechanical operation Operating times	in AC	Opening NO Closing NC Opening NC Closing NO Opening NO	max min max min max min max	ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 17
Mechanical operation Operating times	in AC	Opening NO Closing NC Opening NC Closing NO	max min max min max min max min max min max	ms ms ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 17 18 25 2 3
Mechanical operation Operating times	in AC	Opening NO Closing NC Opening NC Closing NO Opening NO	max min max min max min max min max min	ms ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 17 18 25 2

11BG0910A230 The 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



	Opening	a NC		
		min	ms	11
		max	ms	17
UL technical data				
Full-load current (FL	A) for three-phase AC motor			
		at 480V	А	7.6
		at 600V	А	6.1
Yielded mechanical	performance			
	for single-phase AC motor			
		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	A	20
Short-circuit protect				
	High fault			400
		Short circuit current	kA	100
		Fuse rating	А	30
		Fuse class		J
	Standard fault	Chart circuit current	LA	F
		Short circuit current	kA A	5 30
Contact rating of au	xiliary contacts according to UL	Fuse rating	A	A600 - Q600
Ambient conditions				A000 - Q000
Temperature				
remperature	Operating temperature			
	Operating temperature	min	°C	-50
		max	°C	+70
	Storage temperature	Пах	0	
		min	°C	-60
		max	°Č	+80
Max altitude			m	3000
Resistance & Prote	ction		-	
Pollution degree				3
Dimensions				
4.4 (0.17") (0.1" (0.17") (0.1"	(2.24")		(2.28") 50 (2.28") 50	57
8.5 (0.33") (0.33") (0.33") (0.33") (0.33") (0.38	(1.37")			RF9
8.5 (0.33") (0.38		94.2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		RF9





Certifications and compliance

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 classification	

ETIM 8.0

EC000066 -Power contactor, AC switching