



Product designation			Power contacto
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		А	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
		kW	5
	690V	kW	5
Rated operational power AC-1 (T≤40°C)			
		kW	8
		kW	14
		kW	16
	690V	kW	22
IEC max current le in DC1 with L/R \leq 1ms with 1 poles in series			
	≤24V	А	12
	48V	A	10
	75V	A	4
	110V	A	3
	220V	A	-
EC max current le in DC1 with L/R \leq 1ms with 2 poles in series			
	≤24V	A	15
	48V	A	14
	75V	A	9
	110V	A	8
	220V	A	_
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series	-0 A) (•	4.0
	≤24V	A	16
	48V	A	16
	75V	А	10
	110V	А	10



11BG0901A57560 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, AC COIL 60HZ, 575VAC, 1NC AUXILIARY CONTACT

575VAC, 1NC AUXILIARY CONTACT 220V 2 А IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series ≤24V А 16 48V 16 А 75V А 10 110V А 10 220V 2 А IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series ≤24V А 7 48V А 6 75V 2 А

	730	~	2
	110V	А	1
	220V	А	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	≤24V	А	8
	48V	A	8
	75V	A	5
	110V	A	4
	220V		
IFC may autrent to in DC2 DC5 with L/D < 15mg with 2 palas in series	220 V	A	_
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 3 poles in series	<0.4V	٨	4.0
	≤24V	A	10
	48V	А	10
	75V	A	6
	110V	А	5
	220V	Α	0,8
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
	≤24V	А	10
	48V	А	10
	75V	А	6
	110V	А	5
	220V	А	0,8
Short-time allowable current for 10s (IEC/EN60947-1)		А	96
Protection fuse			
	gG (IEC)	А	20
	aM (IEC)	A	10
Making capacity (RMS value)		A	92
Breaking capacity at voltage			52
breaking capacity at voltage	440V	۸	72
	440V 500V	A A	72
	690V	<u>A</u>	72
Resistance per pole (average value)		mΩ	10
Power dissipation per pole (average value)			
	lth	W	4
	AC-3	W	0.81
Tightening torque for terminals			
	min	Nm	0.8
	max	Nm	1
	min	Ibin	9
	max	Ibin	9
Tightening torque for coil terminal			

0.8

1 9

Nm

Nm

lbin

min

max

min



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Max number of wires	simultaneously connectable	max	Ibin Nr.	9
Conductor section			INI.	2
	AWG/Kcmil			
		max		12
	Flexible w/o lug conductor section	Шах		12
		min	mm²	0.75
		max	mm²	2.5
	Flexible c/w lug conductor section			
		min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section	1		
		min	mm²	1.5
		max	mm²	2.5
Dower terminal protec	ation according to IEC/EN 60520			IP20 when
Power terminal protec	ction according to IEC/EN 60529			properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rai
				35mm
Weight			g	177
Conductor section				
	AWG/kcmil conductor section			
A the second states and shares		max		12
Auxiliary contact char	acteristics		۸	10
Thermal current Ith	nianation		A	10 A600 - Q600
IEC/EN 60947-5-1 de				A600 - Q600
Operating current AC	15	2201/	^	2
		230V 400V	A	3 1.9
		400V 500V	A A	1.9
Operating current DC	10	500 V	A	1.4
		110V	А	2.9
Operating ourrept DC	10	1100	A	2.9
Operating current DC		24V	٨	2.9
		24 V 48 V	A A	2.9 1.4
		48V 60V	A	1.4
		110V	A	0.6
		125V	A	0.55
		220V	A	0.3
		600V	A	0.1
Operations				
			cycles	20000000
Mechanical life			cycles	500000
			-,	
Electrical life				
Mechanical life Electrical life Safety related data Performance level B1	10d according to EN/ISO 13489-1			
Electrical life Safety related data	10d according to EN/ISO 13489-1	rated load	cycles	500000
Electrical life Safety related data	-	rated load mechanical load	cycles cycles	500000 20000000
Electrical life Safety related data Performance level B1	r	rated load mechanical load	cycles cycles	2000000
Electrical life Safety related data Performance level B1	-		-	

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575VAC, INC AUXILIARY CONTACT

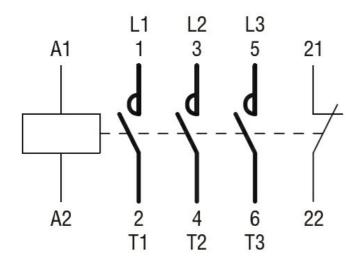
Rated AC voltage at 6	OHz			V	575
AC operating voltage					
	of 60Hz coil powered at				
		pick-up	_		
			min	%Us	75
		duan and	max	%Us	115
		drop-out	min	0/110	20
			min	%Us %Us	20 55
AC average coil consu	imption at 20°C		max	/005	55
AC average con const	of 50/60Hz coil powered	d at 50Hz			
			in-rush	VA	30
			holding	VA	4
	of 50/60Hz coil powered	d at 60Hz			•
	0. 00/00. <u>-</u> 00 poo.		in-rush	VA	25
			holding	VA	3
	of 60Hz coil powered at	: 60Hz	<u></u>		
			in-rush	VA	30
			holding	VA	4
Dissipation at holding	≤20°C 50Hz			W	0.95
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us co					
	in AC				
		Closing NO	_		
			min	ms	12
			max	ms	21
		Opening NO			0
			min	ms	9 18
		Closing NC	max	ms	10
			min	ms	17
			max	ms	26
		Opening NC	Пах	mo	20
		oponing i to	min	ms	7
			max	ms	17
	in DC				
		Closing NO			
		-	min	ms	18
			max	ms	25
		Opening NO			
			min	ms	2
			max	ms	3
		Closing NC			_
			min	ms	3
			max	ms	5
		Opening NC			4.4
			min	ms	11
UL technical data			max	ms	17
	for three phase AC mate				
ruil-iuau current (FLA)	for three-phase AC moto)I	at 480V	۸	7.6
			at 480V at 600V	A A	7.6 6.1
			ai 000 V	~	0.1



Yielded mechanical	l performance			
	for single-phase AC motor			
	5 1	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
Short-circuit protect	tion fuse, 600V			
	High fault			
	-	Short circuit current	kA	100
		Fuse rating	А	30
		Fuse class		J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	А	30
		Fuse class		RK5
Contact rating of au	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			(2.28") 5	57 .24") RF9
8.5 (0.33") 8.5 (0.33")		44 (1.73")		89.2 (3.51")

Wiring diagrams





Certifications and compliance

oompnanoo	Comp	liance
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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