



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	max	A	20
Operational current le			20
	AC-1 (=40°C)	А	20
	AC-3 (=440V =55°C)	A	9
	AC-4 (400V)		4
Rated operational power AC-3 (T=55°C)	AC-4 (400V)	A	+
	230V	kW	2.2
	230V 400V	kW	
	400V 415V		4
		kW	4.3
	440V	kW	4.5 5
	500V	kW	5
	690V	kW	5
Rated operational power AC-1 (T=40°C)	0001/		•
	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	A	12
	48V	A	10
	75V	А	4
	110V	A	3
	220V	A	_
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	Α	_
IEC max current le in DC1 with L/R = 1ms with 3 poles in series			
	=24V	А	16
	48V	А	16
	75V	А	10
	110V	А	10
	220V	А	2

IEC max current le in DC1 with L/R = 1ms with 4 poles in series



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	=24V	А	16
	48V	А	16
	75V	А	10
	110V	А	10
	220V	А	2
IEC max current le in DC3-DC5 with L/R = 15ms with 1 poles in series			
	=24V	А	7
	48V	А	6
	75V	А	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	А	8
	75V	А	5
	110V	А	4
	220V	А	-
IEC max current le in DC3-DC5 with L/R = 15ms with 3 poles in series			
	=24V	А	10
	48V	А	10
	75V	А	6
	110V	А	5
	220V	А	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)	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)		m?	10
Power dissipation per pole (average value)			
	Ith	W	4
	AC3	W	0.81
Tightening torque for terminals			
	min	Nm	0.8
	max	Nm	1
	min	lbin	9
	max	Ibin	9
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	IIIax		
	min		9
		lbin Ibin	9 9



Conductor section

Conductor section				
	AWG/Kcmil			
		max		12
	Flexible w/o lug conductor section			
	-	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 sectior			2.0
	The side with insulated space by conductor section	min	mm²	1.5
			mm²	2.5
Device to make all a note of		max		
	ction according to IEC/EN 60529			IP20 when wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail
FIXING				35mm
Weight			g	178
Conductor section				
	AWG/kcmil conductor section			
		max		12
Auxiliary contact chara	actoristics	Шах		12
Thermal current Ith			А	10
	cimation		A	
IEC/EN 60947-5-1 de	-			A600 - Q600
Operating current AC	15		_	
		230V	A	3
		400V	A	1.9
		500V	A	1.4
Operating current DC	12			
		110V	А	2.9
Operating current DC	13			
		24V	А	2.9
		48V	А	1.4
		60V	A	1.2
		110V	A	0.6
		125V	A	0.55
		220V	A	0.3
		600V	A	0.1
Operatione		000	А	0.1
Operations			a	200000000
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
	r	mechanical load	cycles	2000000
Mirror contats accordi	ng to IEC/EN 609474-4-1			yes
EMC compatibility	-			yes
AC coil operating				-
Rated AC voltage at 6	:0Hz		V	460
AC operating voltage			v	
AC operating voltage				

of 60Hz coil powered at 60Hz

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		pick-up			
		plot up	min	%Us	75
			max	%Us	115
		drop-out		,	
			min	%Us	20
			max	%Us	55
AC average coil cons	umption at 20°C		max	/000	
to avoiago con conc		powered at 50Hz			
			in-rush	VA	30
			holding	VA	4
	of 50/60Hz coil	powered at 60Hz	noiding	V/ (-
	01 30/00112 001		in-rush	VA	25
			holding	VA VA	3
		warad at 60Hz	noiding	٧٨	5
	of 60Hz coil pov		in ruch	VA	30
			in-rush holding		
			noiuing	VA	4
Dissipation at holding				W	0.95
Max cycles frequency				evels - "	2000
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us of					
	in AC				
		Closing NO			
			min	ms	12
			max	ms	21
		Opening NO			
			min	ms	9
			max	ms	18
		Closing NC			
			min	ms	17
			max	ms	26
		Opening NC			
			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			
			min	ms	11
			max	ms	17
JL technical data					-
) for three-phase	AC motor			
	y ior unee-pliase /		at 480V	А	7.6
	, ,		al 400V	A	1.0
	, .				6 1
Full-load current (FLA			at 600V	А	6.1
Full-load current (FLA	performance				6.1
Full-load current (FLA Yielded mechanical p		e AC motor			0.5

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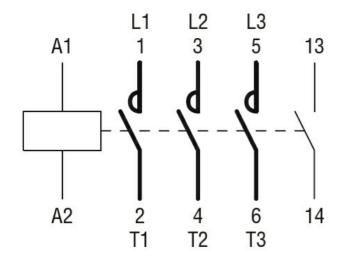


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THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, AC COIL 60HZ, 460VAC, 1NO AUXILIARY CONTACT 230V ΗP 1.5

		230 V	пр	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			
	Contactor	AC current	А	20
Short-circuit protec	tion fuer 6001/		~	20
Short-circuit protec				
	High fault		1. 4	100
		Short circuit current	kA	100
		Fuse rating	A	30
		Fuse class		J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	A	30
	uxiliary contacts according to UL			A600 - Q600
Ambient conditions	S			
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	+70
	Storage temperature			
	5	min	°C	-60
		max	°C	+80
Max altitude			m	3000
Resistance & Prote	ection			
Pollution degree				3
Dimensions				Ũ
	14 17") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2		(2 28") 5	57 24") 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