



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



11BG0910A46060 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, AC COIL 60HZ, 460VAC, 1NO AUXILIARY CONTACT

	=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

11BG0910A46060



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

		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

11BG0910A46060 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

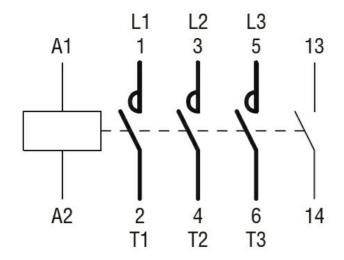


11BG0910A46060

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		(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