



Product designation Product type designation			Power contactor BG09
Contact characteristics			
Number of poles		Nr.	4
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)	A	9
	AC-4 (400V)	A	4
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	-0.414		4.0
	≤24V	A	12
	48V	A	10
	75V	A	4
	110V	A	3
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series	220V	A	
The contrast current is in DCT with $L/R \leq 100$ with 2 poles in series	≤24V	٨	15
	≤24∨ 48V	A A	15
	46V 75V	A	9
	110V	A	8
	220V	A	0
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	2201	~	
	≤24V	А	16
	48V	A	16
	75V	A	10
	110V	A	10
	220V	A	2
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	223 V		
	≤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	A	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



**11BG09T4A22060** FOUR-POLE CONTACTOR, AC COIL 60HZ, 220VAC

			2	o -
	Flovible of white conductor acction	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			2.5
		min	mm²	1.5
		max	mm²	2.5
				IP20 when
Power terminal protect	tion according to IEC/EN 60529			properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail
				35mm
Weight			g	185
Conductor section				
	AWG/kcmil conductor section			40
Amilian	otoriotico	max		12
Auxiliary contact chara	CIENSIICS		٨	10
Thermal current lth	aignotion		A	10
IEC/EN 60947-5-1 des Operations	signation			A600
Mechanical life			oveloc	20000000
Electrical life			cycles cycles	500000
Safety related data			Cycles	300000
	Dd according to EN/ISO 13489-1			
		rated load	cycles	500000
	n	nechanical load	cycles	20000000
Mirror contats accordin	ng to IEC/EN 609474-4-1			yes
EMC compatibility	-			yes
AC coil operating				
Rated AC voltage at 6	OHz		V	220
AC operating voltage				
	of 60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	75
		max	%Us	115
	drop-out		0/11-	20
		min	%Us %Us	20 55
AC average coil consu	umption at 20°C	max	/005	55
AU average coll const	of 50/60Hz coil powered at 50Hz			
	or soluting con powered at solid	in-rush	VA	30
		holding	VA VA	4
	of 50/60Hz coil powered at 60Hz	noiding	., (	
		in-rush	VA	25
		holding	VA	3
	of 60Hz coil powered at 60Hz	5		
		in-rush	VA	30
		holding	VA	4
Dissipation at holding :	≤20°C 50Hz		W	0.95
Max cycles frequency				
Mechanical operation			cycles/h	3600

11BG09T4A22060 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



Operating times					
Average time for Us of	control				
-	in AC				
		Closing NO			
		eleeg	min	ms	12
			max	ms	21
			IIIdA	1115	21
		Opening NO			0
			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	Παλ	113	20
				me	2
			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 (FLA	A) for three-phase A	C motor			
	, .		at 480V	А	7.6
			at 600V	А	6.1
Yielded mechanical p	erformance				-
	for cinala phace	AC motor			
	for single-phase	AC motor	440/4001/	ЦП	0.5
	for single-phase	AC motor	110/120V	HP	0.5
			110/120V 230V	HP HP	0.5 1.5
	for single-phase		230V	HP	1.5
			230V 200/208V	HP HP	1.5 2
			230V 200/208V 220/230V	HP HP HP	1.5 2 3
			230V 200/208V 220/230V 460/480V	HP HP	1.5 2
			230V 200/208V 220/230V	HP HP HP	1.5 2 3
General USE			230V 200/208V 220/230V 460/480V	HP HP HP HP	1.5 2 3 5
General USE			230V 200/208V 220/230V 460/480V	HP HP HP HP	1.5 2 3 5
General USE	for three-phase A		230V 200/208V 220/230V 460/480V 575/600V	HP HP HP HP HP	1.5 2 3 5 5 5
	for three-phase A		230V 200/208V 220/230V 460/480V	HP HP HP HP	1.5 2 3 5
General USE Short-circuit protectio	for three-phase A Contactor on fuse, 600V		230V 200/208V 220/230V 460/480V 575/600V	HP HP HP HP HP	1.5 2 3 5 5 5
	for three-phase A		230V 200/208V 220/230V 460/480V 575/600V AC current	HP HP HP HP	1.5 2 3 5 5 20
	for three-phase A Contactor on fuse, 600V		230V 200/208V 220/230V 460/480V 575/600V AC current	HP HP HP HP A	1.5 2 3 5 5 20 100
	for three-phase A Contactor on fuse, 600V		230V 200/208V 220/230V 460/480V 575/600V AC current Short circuit current Fuse rating	HP HP HP HP	1.5 2 3 5 5 20 100 30
	for three-phase A Contactor on fuse, 600V High fault		230V 200/208V 220/230V 460/480V 575/600V AC current	HP HP HP HP A	1.5 2 3 5 5 20 100
	for three-phase A Contactor on fuse, 600V		230V 200/208V 220/230V 460/480V 575/600V AC current Fuse rating Fuse class	HP HP HP HP A kA A	1.5 2 3 5 5 5 20 100 30 J
	for three-phase A Contactor on fuse, 600V High fault		230V 200/208V 220/230V 460/480V 575/600V AC current Short circuit current Fuse rating	HP HP HP HP A	1.5 2 3 5 5 20 100 30
	for three-phase A Contactor on fuse, 600V High fault		230V 200/208V 220/230V 460/480V 575/600V AC current Fuse rating Fuse class	HP HP HP HP A kA A	1.5 2 3 5 5 5 20 100 30 J
	for three-phase A Contactor on fuse, 600V High fault		230V 200/208V 220/230V 460/480V 575/600V AC current Short circuit current Fuse rating Fuse class Short circuit current	HP HP HP A A kA A	1.5 2 3 5 5 20 20 100 30 J 5

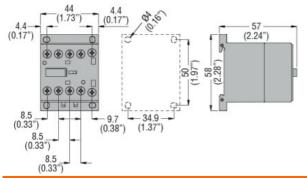


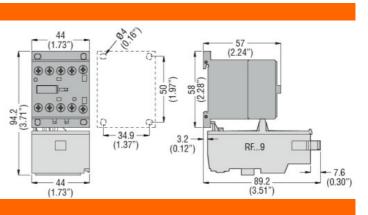
**11BG09T4A22060** FOUR-POLE CONTACTOR, AC COIL 60HZ, 220VAC

## Temperature

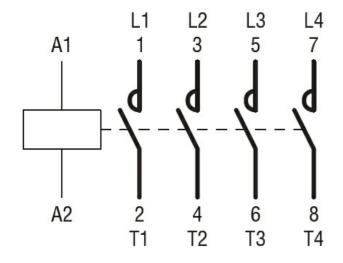
Operating temperature				
	min	°C	-50	
	max	°C	+70	
Storage temperature				
	min	°C	-60	
	max	°C	+80	
Max altitude		m	3000	
Resistance & Protection				
Pollution degree			3	

## Dimensions





Wiring diagrams



## 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		
	CCC	
	cULus	
	EAC	
ETIM classification		
		EC000066 -
ETIM 8.0		Power contactor,
		AC switching