



Product designation Product type designation			Power contactor BG09
Contact characteristics			8000
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
IFC may autrent to in DC1 with L/D < 1 ma with 1 palas in series	690V	kW	22
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series	≤24V	А	12
	≤24∨ 48V	A	12
	48V 75V	A	4
	110V	A	3
	220V	A	-
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	2201		
	≤24V	А	15
	48V	A	14
	75V	А	9
	110V	А	8
	220V	А	_
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 $L/R \le 1$ ms with 4 poles in series			
	≤24V	А	16
	48V	А	16
	75V	A	10
	110V	A	10
	220V	A	2



IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 1 poles in series			
	≤24V	А	7
	48V	А	6
	75V	А	2
	110V	A	1
	220V	A	_
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 2 poles in series	220 V		
IEC max current le in DC3-DC3 with L/K ≤ 15ms with 2 poles in series	<0.4V	^	0
	≤24V	A	8
	48V	A	8
	75V	А	5
	110V	А	4
	220V	Α	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
	≤24V	А	10
	48V	А	10
	75V	A	6
	110V	A	5
	220V	A	0,8
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 4 poles in series		-	
	≤24V	A	10
	48V	А	10
	75V	Α	6
	110V	Α	5
	220V	А	0,8
Short-time allowable current for 10s (IEC/EN60947-1)		Α	96
Protection fuse			
	gG (IEC)	А	20
	- · ·		
	aM (IEC)	A	10
Making capacity (RMS value)		Α	92
Breaking capacity at voltage			
	440V	Α	72
	500V	Α	72
	690V	А	72
Resistance per pole (average value)		mΩ	10
Power dissipation per pole (average value)			
· ····· ······························	lth	W	4
	AC-3	W	
Tink to size a tenner for tenner of	AC-3	٧V	0.81
Tightening torque for terminals			
	min	Nm	0.8
	max	Nm	1
	min	lbin	9
	max	lbin	9
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	Ibin	9
	max	Ibin	9
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	max		12
Flexible w/o lug conductor section			
Ť	min	mm²	0.75
			••



11BG09T4A12060 FOUR-POLE CONTACTOR, AC COIL 60HZ, 120VAC

			2	
		max	mm²	2.5
	Flexible c/w lug conductor section			4 5
		min	mm²	1.5 2.5
	Flexible with insulated spade lug conductor section	max	mm²	2.5
	Flexible with insulated spade lug conductor section	min	mm²	1.5
		max	mm²	2.5
		IIIdX	111111	IP20 when
Power terminal protect	tion according to IEC/EN 60529			properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fiving				Screw / DIN rail
Fixing				35mm
Weight			g	180
Conductor section				
	AWG/kcmil conductor section			
		max		12
Auxiliary contact chara	cteristics			
Thermal current Ith			A	10
IEC/EN 60947-5-1 des	signation			A600
Operations				
Mechanical life			cycles	2000000
Electrical life			cycles	500000
Safety related data				
Performance level B10	0d according to EN/ISO 13489-1			
		rated load	cycles	500000
NATION AND A STREET AND A STREET		nechanical load	cycles	2000000
	ng to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating			V	120
Rated AC voltage at 60 AC operating voltage			V	120
AC operating voltage	of 60Hz coil powered at 60Hz			
	pick-up			
	ριεκ-αρ	min	%Us	75
		max	%Us	115
	drop-out	Пах	/003	110
		min	%Us	20
		max	%Us	55
AC average coil consu	Imption at 20°C			
0	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	30
		holding	VA	4
	of 50/60Hz coil powered at 60Hz	5		
		in-rush	VA	25
		holding	VA	3
	of 60Hz coil powered 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

11BG09T4A12060 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	control				
Ū	in AC				
		osing NO			
		oonig i to	min	ms	12
			max	ms	21
		pening NO	IIIdA	1113	21
	Ot.				0
			min	ms	9
			max	ms	18
	Cle	osing NC			
			min	ms	17
			max	ms	26
	Op	pening NC			
			min	ms	7
			max	ms	17
	in DC				
		osing NO			
		-	min	ms	18
			max	ms	25
	Or	pening NO			-
	01		min	ms	2
			max	ms	3
	Cl	osing NC	IIIdA	1113	5
			min		2
			min	ms	3
			max	ms	5
	Op	pening 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	Α	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
			400/480V 575/600V	HP	5
			575/000V	11 °	5
General USE	O ante at a				
	Contactor				
			AC current	A	20
Short-circuit protection					
	High fault				
			Short circuit current	kA	100
					00
			Fuse rating	Α	30
			Fuse rating Fuse class	A	30 J
	Standard fault		_	A	
	Standard fault		Fuse class		J
	Standard fault		Fuse class	kA	J 5
	Standard fault		Fuse class Short circuit current Fuse rating		J 5 30
Ambient conditions	Standard fault		Fuse class	kA	J 5

11BG09T4A12060 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

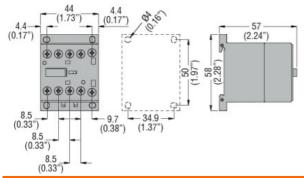


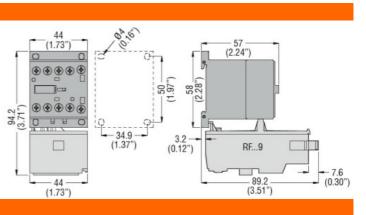
11BG09T4A12060 FOUR-POLE CONTACTOR, AC COIL 60HZ, 120VAC

Temperature

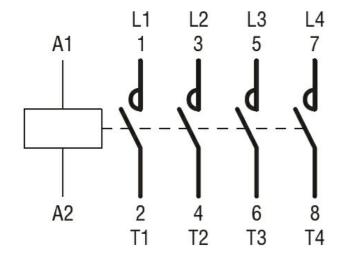
Operating temperature				
	min	°C	-50	
	max	°C	+70	
Storage temperature				
	min	°C	-60	
	max	°C	+80	
Max altitude		m	3000	
Resistance & Protection				
Pollution degree			3	

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		
	000	
	cULus	
	EAC	
ETIM classification		
		EC000066 -
ETIM 8.0		Power contactor,
		AC switching

11BG09T4A12060 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