



Product designation			Power contactor
Product type designation			BG09
Contact characteristics			2000
Number of poles		nr.	4
Rated insulation voltage Ui IEC/EN		V	690
Rated insulation voltage of IEG/EN		kV	6
·		KV	0
Operational frequency			0.5
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		Α	20
Operational current le			
	AC-1 (≤40°C)	Α	160
	AC-3 (≤440V ≤55°C)	Α	9
	AC-4 (400V)	Α	4
Rated operational power AC-1 (T≤40°C)			
	230V	kW	8
	400V	kW	14
	500V	kW	16
	690V	kW	22
Short-time allowable current for 10s (IEC/EN60947-1)		Α	96
Protection fuse			
	gG (IEC)	Α	20
	aM (IEC)	Α	10
Making capacity (RMS value)	a ()	Α	92
Breaking capacity at voltage		- ' '	
broaking supusity at voltage	440V	Α	72
	500V	A	72
	690V	A	72
Pacietanea par pala (avaraga valua)	090 V	mΩ	10
Resistance per pole (average value)		11122	10
Power dissipation per pole (average value)	101	147	4
	Ith	W	4
	AC3	W	0.81
Tightening torque for terminals	_		
	min	Nm	0.8
	max	Nm	1
	min	Ibin	0.59
	max	lbin	0.74
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	lbft	0.8
	max	lbft	0.74
Max number of wires simultaneously connectable		nr.	2
Conductor section			

Conductor section

Flexible w/o lug conductor section



	min		0.75
	max	mm²	2.5
	Flexible c/w lug conductor section		
	min		1.5
	max	mm²	2.5
	Flexible with insulated spade lug conductor section		
	min		1.5
	max	mm²	2.5
	tion according to IEC/EN 60529		IP20 when wired
Mechanical features			
Operating position			
	norma		vertical plan
	allowable		±30°
Fixing			Screw / DIN rail
			35mm
Weight		g	222
Auxiliary contact chara	cteristics		4.110
Type of contact			1 NO
Thermal current Ith		A	10
IEC/EN 60947-5-1 des			Q600
Operating current DC1			
	110V	Α	2.9
Operating current DC1	3		
	24V		2.9
	48V		1.4
	60V		1.1
	125V		0.3
	220V		0.1
	600V	Α	0.6
Operations			
Mechanical life		cycles	20000000
Electrical life		cycles	500000
Safety related data			
Performance level B10	0d according to EN/ISO 13489-1		
	rated load	cycles	500000
	mechanical load	cycles	20000000
Mirror contats according	ng to IEC/EN 609474-4-1		true
EMC compatibility			Yes
AC coil operating			
Rated AC voltage at 50	0/60Hz, 60Hz		
	min	V	12
	max	V	575
AC operating voltage a	at 20°C		
	of 50/60Hz coil powered at 50Hz		
	in-rush	VA	30
	holding		4
	of 50/60Hz coil powered at 60Hz		
	in-rush	VA	25
	holding		3
	of 60Hz coil powered at 60Hz		
	in-rush	VA	30
	holding		4
Dissipation at holding :		W	0.9
oo.pation at notaling .		• •	5.0



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DC coil operating					
DC rated control voltage	ge				
			min	V	6
			max	V	480
DC operating voltage					
	pick-up				
			min	%Us	75
			max	%Us	115
	drop-out			0/11	
			min	%Us	10
A	U 400°0		max	%Us	25
Average coil consump	tion ≤20°C		مام بسیما	147	2.2
			in-rush	W	3.2
Max evelos frequency			holding	W	3.2
Max cycles frequency Mechanical operations				cycles/h	3600
Operating times	· 			cycles/II	3000
Average time for Us co	ontrol				
Stage and for 03 of	in AC				
		Closing NO			
		y g y	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
	in DC		max	ms	17
	IN DC	Closing NO			
		Closing NO	min	ms	18
			max	ms	25
		Opening NO	max	1110	20
		- r - · · · · · · · · ·	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)	for three-phase AC	motor			7.0
			at 480V	A	7.6
Visit is the second and second as			at 600V	Α	6.1
Yielded mechanical pe		\C matai			
	for single-phase A	AC MOTOR	440/400	ب ما	0.5
			110/120V 230V	hp hp	0.5
	for three-phase A	C motor	2301	hp	1.5
	for three-phase A	O ITIUIUI	200/208V	hn	2
			Z00/Z00V	hp	



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220/230V	hp	3
460/480V	hp	5
575/600\/	hn	5

General USE

Contactor

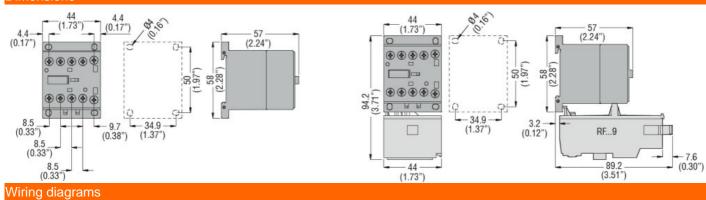
		AC current	А	20
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-40
		max	°C	60
	Storage temperature			
		min	°C	-55
		max	°C	70
Max altitude			m	3000

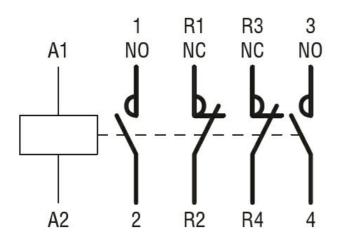
Resistance & Protection

Pollution degree

3

Dimensions





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

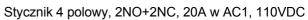
UL 60947-1

UL 60947-4-1

Certificates

CCC







cULus			
EAC			

ETIM 6 classification

EC000066 - Power contactor, AC switching