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Product designation Product type designation			Power contacto 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
Operational current le	Пах	112	400
	AC-1 (≤40°C)	А	20
	AC-1 (≤55°C)	A	18
	AC-1 (≤70°C)	A	15
	AC-3 (≤440V ≤55°C)	A	9
	AC-3 (34407 355 C) AC-4 (400V)	A	4
Rated operational power AC-1 (T≤40°C)	AC-4 (400V)	Λ	4
	230V	kW	8
	230V 400V	kW	0 14
	400V 500V		14
	690V	kW kW	22
Short time allowable surrant for 10s (IEC/EN60047.1)	8907		
Short-time allowable current for 10s (IEC/EN60947-1)		A	96
Protection fuse			00
	gG (IEC)	A	20
	aM (IEC)	A	10
Making capacity (RMS value)		A	92
Breaking capacity at voltage		_	
	440V	Α	72
	500V	Α	72
	690V	A	72
Resistance per pole (average value)		mΩ	10
Power dissipation per pole (average value)			
	Ith	W	4
	AC-3	W	0.81
Tightening torque for terminals			
	min	Nm	0.8
	max	Nm	1
	min	Ibin	9
	max	Ibin	9
Fightening 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



	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 section		2.0
	min	mm²	1.5
	max	mm²	2.5
Power terminal protec	tion according to IEC/EN 60529		IP20 when properly wired
Mechanical features			
Operating position			
	normal		Vertical plan
Fixing	allowable		±30° Screw / DIN rail 35mm
Weight		g	221
Conductor section		Э	
	AWG/kcmil conductor section		
	max		12
Auxiliary contact chara	cteristics		
Thermal current Ith		А	10
Operations			0000000
Mechanical life Electrical life		cycles cycles	20000000 500000
Safety related data		Cycles	300000
	Od according to EN/ISO 13489-1		
	rated load	cycles	500000
	mechanical load	cycles	20000000
Mirror contats according	ng to IEC/EN 609474-4-1		YES
EMC compatibility			yes
DC coil operating			10
DC rated control voltage	ge	V	12
DC operating voltage	nick up		
	pick-up min	%Us	75
	max	%Us	115
	drop-out		
	min	%Us	10
	max	%Us	25
Average coil consump			
	in-rush		3.2
Max avalas fraguesav	holding	W	3.2
Max cycles frequency Mechanical operation		cycles/h	3600
Operating times		Cycles/II	3000
Average time for Us co	ontrol		
ų ir	in AC		
	Closing NO		
	min	ms	12

11BG09T2D012

FOUR-POLE CONTACTOR, DC COIL, 12VDC, 2NO AND 2NC

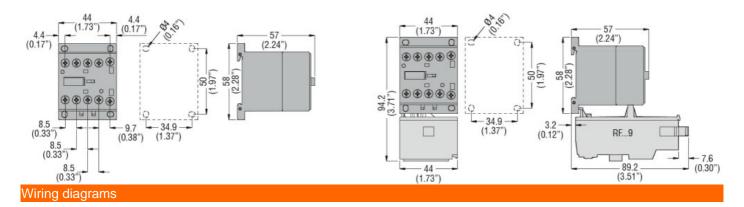
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ENERGY AND AUTOMATION

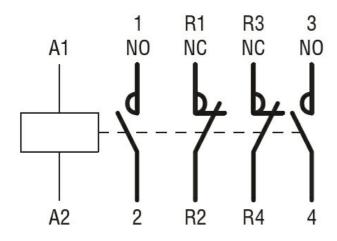
			max	ms	21
		Opening NO			
		51 - 5	min	ms	9
			max	ms	18
		Closing NC			
			min	ms	17
			max	ms	26
			max	1113	20
		Opening NC			
			min	ms	7
			max	ms	17
	in DC			-	
	III DC				
		Closing NO			
			min	ms	18
			max	ms	25
		Opening NO			
					0
			min	ms	2
			max	ms	3
		Closing NC			
			min	ma	2
			min	ms	3
			max	ms	5
		Opening 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
					6.1
			at 600V	Α	0.1
Yielded mechanical	performance		at 600V	A	0.1
Yielded mechanical		se AC motor	at 600V	A	0.1
Yielded mechanical	performance for single-phas	se AC motor			
Yielded mechanical		se AC motor	110/120V	HP	0.5
Yielded mechanical	for single-phas				
Yielded mechanical			110/120V	HP	0.5
Yielded mechanical	for single-phas		110/120V 230V	HP HP	0.5 1.5
Yielded mechanical	for single-phas		110/120V 230V 200/208V	HP HP HP	0.5 1.5 2
Yielded mechanical	for single-phas		110/120V 230V 200/208V 220/230V	HP HP HP HP	0.5 1.5 2 3
Yielded mechanical	for single-phas		110/120V 230V 200/208V 220/230V 460/480V	HP HP HP HP HP	0.5 1.5 2 3 5
Yielded mechanical	for single-phas		110/120V 230V 200/208V 220/230V	HP HP HP HP	0.5 1.5 2 3
	for single-phas		110/120V 230V 200/208V 220/230V 460/480V	HP HP HP HP HP	0.5 1.5 2 3 5
Yielded mechanical	for single-phas		110/120V 230V 200/208V 220/230V 460/480V	HP HP HP HP HP	0.5 1.5 2 3 5
	for single-phas		110/120V 230V 200/208V 220/230V 460/480V 575/600V	HP HP HP HP HP	0.5 1.5 2 3 5 5 5
	for single-phas		110/120V 230V 200/208V 220/230V 460/480V	HP HP HP HP HP	0.5 1.5 2 3 5
General USE	for single-phas		110/120V 230V 200/208V 220/230V 460/480V 575/600V	HP HP HP HP HP	0.5 1.5 2 3 5 5 5
General USE	for single-phas		110/120V 230V 200/208V 220/230V 460/480V 575/600V	HP HP HP HP HP	0.5 1.5 2 3 5 5 5
General USE	for single-phase for three-phase Contactor	e AC motor	110/120V 230V 200/208V 220/230V 460/480V 575/600V	HP HP HP HP HP	0.5 1.5 2 3 5 5 5
General USE	for single-phas	e AC motor	110/120V 230V 200/208V 220/230V 460/480V 575/600V AC current	HP HP HP HP HP	0.5 1.5 2 3 5 5 5 20
General USE	for single-phase for three-phase Contactor	e AC motor	110/120V 230V 200/208V 220/230V 460/480V 575/600V	HP HP HP HP HP	0.5 1.5 2 3 5 5 5
General USE	for single-phase for three-phase Contactor	e AC motor	110/120V 230V 200/208V 220/230V 460/480V 575/600V AC current min	HP HP HP HP HP	0.5 1.5 2 3 5 5 5 20 -50
General USE	for single-phase for three-phase Contactor Operating tem	e AC motor	110/120V 230V 200/208V 220/230V 460/480V 575/600V AC current	HP HP HP HP HP	0.5 1.5 2 3 5 5 5 20
General USE	for single-phase for three-phase Contactor	e AC motor	110/120V 230V 200/208V 220/230V 460/480V 575/600V AC current min max	HP HP HP HP HP A °C °C	0.5 1.5 2 3 5 5 5 20 -50 +70
General USE	for single-phase for three-phase Contactor Operating tem	e AC motor	110/120V 230V 200/208V 220/230V 460/480V 575/600V AC current min	HP HP HP HP HP A °C °C	0.5 1.5 2 3 5 5 5 20 -50 +70 -60
General USE	for single-phase for three-phase Contactor Operating tem	e AC motor	110/120V 230V 200/208V 220/230V 460/480V 575/600V AC current min max	HP HP HP HP HP A °C °C	0.5 1.5 2 3 5 5 5 20 -50 +70
General USE Ambient conditions Temperature	for single-phase for three-phase Contactor Operating tem	e AC motor	110/120V 230V 200/208V 220/230V 460/480V 575/600V AC current min max	HP HP HP HP HP A °C °C	0.5 1.5 2 3 5 5 20 -50 +70 -60 +80
General USE Ambient conditions Temperature Max altitude	for single-phase for three-phase Contactor Operating tem Storage tempe	e AC motor	110/120V 230V 200/208V 220/230V 460/480V 575/600V AC current min max	HP HP HP HP HP A °C °C	0.5 1.5 2 3 5 5 5 20 -50 +70 -60
General USE Ambient conditions Temperature Max altitude Resistance & Prote	for single-phase for three-phase Contactor Operating tem Storage tempe	e AC motor	110/120V 230V 200/208V 220/230V 460/480V 575/600V AC current min max	HP HP HP HP HP A °C °C	0.5 1.5 2 3 5 5 20 -50 +70 -60 +80 3000
General USE Ambient conditions Temperature Max altitude	for single-phase for three-phase Contactor Operating tem Storage tempe	e AC motor	110/120V 230V 200/208V 220/230V 460/480V 575/600V AC current min max	HP HP HP HP HP A °C °C	0.5 1.5 2 3 5 5 20 -50 +70 -60 +80
General USE Ambient conditions Temperature Max altitude Resistance & Prote	for single-phase for three-phase Contactor Operating tem Storage tempe	e AC motor	110/120V 230V 200/208V 220/230V 460/480V 575/600V AC current min max	HP HP HP HP HP A °C °C	0.5 1.5 2 3 5 5 20 -50 +70 -60 +80 3000

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FOUR-POLE CONTACTOR, DC COIL, 12VDC, 2NO AND 2NC





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