



Product designation			Auxiliary
Product type designation			contactor BG09
Contact characteristics			D003
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		Α	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)	А	9
	AC-4 (400V)	А	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			
	≤24V	А	12
	48V	А	10
	75V	А	4
	110V	A	3
	220V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	≤24V	A	15
	48V	Α	14
	75V	A	9
	110V	A	8
	220V	A	
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series	-0.01	•	10
	≤24V	A	16
	48V	A	16
	75V 110V	A A	10 10
	220V	A	2
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	2200	л	۷
	≤24V	А	16
	≤24∨ 48V	A	16
	48V 75V	A	10
	110V	A	10
	220V	A	2
	2201	7	L



Flexible w/o lug conductor section		mm²	
	max		12
AWG/Kcmil			
Conductor section			<u> </u>
Max number of wires simultaneously connectable	max	Nr.	2
	max	Ibin	9
	max min	Ibin	1 9
	min max	Nm Nm	
	min	Nm	0.8
Fightening torque for coil terminal	max	חומו	3
		lbin	9
	max min	Nm Ibin	1 9
	min	Nm Nm	0.8
Tightening torque for terminals		N I.e	0.9
Tiektoning togeto for togetos'-	AC-3	W	0.8
	Ith	W	4
Power dissipation per pole (average value)			
Resistance per pole (average value)		mΩ	10
	690V	Α	72
	500V	А	72
	440V	А	72
Breaking capacity at voltage			
Making capacity (RMS value)		А	92
	aM (IEC)	А	10
	gG (IEC)	А	20
Protection fuse			
Short-time allowable current for 10s (IEC/EN60947-1)		А	96
	220V	А	0,8
	110V	А	5
	75V	А	6
	48V	A	10
	≤24V	А	10
EC max current le in DC3-DC5 with L/R \leq 15ms with 4 poles in series			0,0
	220V	A	0,8
	75V 110V	A	б 5
	48V 75V	A A	10 6
	≤24V 48V	A	10 10
EC max current le in DC3-DC5 with $L/R \le 15$ ms with 3 poles in series		^	10
	220V	A	-
	110V	A	4
	75V	A	5
	48V	А	8
	≤24V	А	8
EC max current le in DC3-DC5 with $L/R \le 15$ ms with 2 poles in series			
	220V	А	_
	110V	А	1
	75V	A	2
	48V	A A	6
	≤24V		7



11BG09T4D048 FOUR-POLE CONTACTOR, DC COIL, 48VDC

rax mm² 2.5 Flexible c/w lug conductor section min mm² 2.5 Flexible with insulated spade lug conductor section min mm² 2.5 Power terminal protection according to IEC/EN 60529 IP20 IP20 Mechanical features mormal Vertical plan Additional protection according to IEC/EN 60529 IP20 Mechanical features sore Sore Conductor section allowable 430° * Weight g 200 Conductor section Attiliary contact characteristics max 12 Autiliary contact characteristics a 10 IEC/EN 80947-5-1 designation Q600 Q600 Operations cycles 2000000 Mechanical life cycles 2000000 Electrical life cycles 500000 Safety related data rated load cycles 500000 Micro contaits according to IEC/EN 609474-4-1 VES Electrical life cycles 500000 Conpatibility VES VES Electrical life cycles 500000					
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max mm² 2.5 Power terminal protection according to IEC/EN 60529 IP20 Mechanical leatures		Flexible with insulated spade lug conductor section			
Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal vertical plan allowable ±30° Fixing Vertical plan allowable ±30° Fixing Weight g 200 Conductor section AWG/kcmil conductor secti			min	mm²	
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FXMIQ 35mm Weight g 200 Conductor section max 12 AWG!kcmil conductor section max 12 Auxiliary contact characteristics			allowable		±30°
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Safety related data rated load cycles 500000 Performance level B10d according to EN/ISO 13489-1 rated load cycles 500000 Mirror contats according to IEC/EN 609474-4-1 YES YES EMC compatibility YES YES DC coll operating V 48 DC operating voltage V 48 DC operating voltage V 48 Average coil consumption ≤20°C min %Us 10 max %Us 10 s25 Average coil consumption ≤20°C in-rush W 3.2 Max cycles frequency in-rush W 3.2 Max cycles frequency Closing NO min ms 12 Average time for Us control in AC Closing NO min ms 12 Opening NO min ms 12 max ms 21	Electrical life				500000
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Mechanical operation cycles/h 3600 Operating times Average time for Us control in AC Closing NO min ms 12 max ms 21 Opening NO min ms 9	Max cycles frequency		Tording	vv	U.2
Operating times Average time for Us control in AC Closing NO $\begin{array}{c} \min & ms & 12\\ max & ms & 21\\ Opening NO\\ \hline min & ms & 9\end{array}$				cycles/h	3600
Average time for Us control in AC Closing NO min ms 12 max ms 21 Opening NO min ms 9		la se a la seconda de la s		5,000,11	
in AC Closing NO min ms 12 max ms 21 Opening NO min ms 9		ontrol			
Closing NO min ms 12 max ms 21 Opening NO min ms 9					
min ms 12 max ms 21 Opening NO min ms 9					
max ms 21 Opening NO min ms 9			min	me	12
Opening NO min ms 9					
min ms 9		Opening NO	max	115	<u> </u>
					•
			min	me	a

11BG09T4D048The 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



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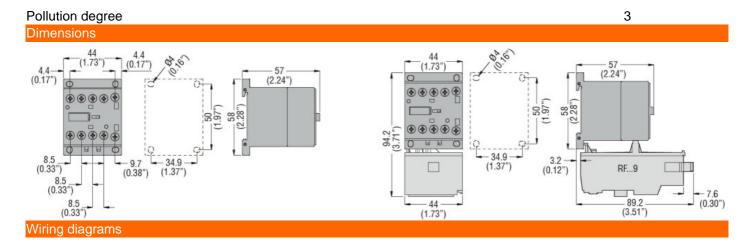
		Closing NC			
		eleeling ite	min	ms	17
			max	ms	26
		Opening NC			
		1 0	min	ms	7
			max	ms	17
	in DC				
		Closing NO			
			min	ms	18
			max	ms	25
		Opening NO			
			min	ms	2
			max	ms	3
		Closing NC			
			min	ms	3
			max	ms	5
		Opening NC			
			min	ms	11
			max	ms	17
UL technical data					
Full-load current (FLA)	for three-phase AC m	otor	- (100) /	Δ.	7.0
			at 480V	A	7.6
<u>Vialdad waash awiaal wa</u>			at 600V	A	6.1
Yielded mechanical pe					
	for single-phase AC	motor	440/4001/		0.5
			110/120V	HP	0.5
	for three phase AC p	actor	230V	HP	1.5
	for three-phase AC n	ΠΟΙΟΓ	200/208V	HP	2
			200/208V 220/230V	HP	2
			460/480V	HP	3 5
			400/400V 575/600V	HP	5
General USE			575/0001		5
	Contactor				
	Contactor		AC current	А	20
Short-circuit protection	fuse 600V				
	High fault				
			Short circuit current	kA	100
			Fuse rating	A	30
			Fuse class		J
	Standard fault				
			Short circuit current	kA	5
			Fuse rating	A	30
			Fuse class		RK5
Ambient conditions					
Temperature					
	Operating temperatu	re			
	-		min	°C	-50
			max	°C	+70
	Storage temperature				
			min	°C	-60
			max	°C	+80
Max altitude					
Resistance & Protectio				m	3000

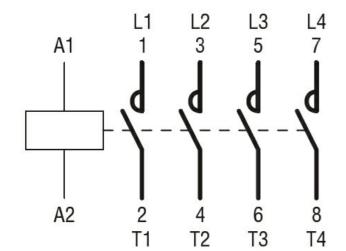
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ENERGY AND AUTOMATION

11BG09T4D048 FOUR-POLE CONTACTOR, DC COIL, 48VDC





Certifications an	d compliance
Certifications an	

Compliance		
-	CSA C22.2 n° 60947-1	
	CSA C22.2 n° 60947-4-1	
	IEC/EN 60947-1	
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