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	39099

Product designation			Power contactor
Product type designation			BG09
Contact characteristics		Nla	4
Number of poles		Nr. V	4
Rated insulation voltage Ui IEC/EN		kV	690
Rated impulse withstand voltage Uimp		ĸv	6
Operational frequency	min	Hz	25
		Hz	400
IEC Conventional free air thermal current Ith	max	A	20
Operational current le		A	20
Operational current le	$\Lambda \subset 1 (< 10^{\circ} C)$	۸	20
	AC-1 (≤40°C) AC-1 (≤55°C)	A A	18
	AC-1 (≤55 C) AC-1 (≤70°C)	A	15
	AC-1 (≤70 C) AC-3 (≤440V ≤55°C)	A	9
	AC-3 (<u>440</u> <u>55</u> C) AC-4 (400V)	A	9 4
Rated operational power AC-1 (T≤40°C)	AC-4 (400V)	A	4
Rated operational power AC-1 (1540 C)	230V	L-\\\/	8
	230V 400V	kW kW	o 14
	400V 500V	kvv kW	14
	690V	kvv kW	22
Chart time allowable surrent for 10s (IEC/EN60047.1)	6907		96
Short-time allowable current for 10s (IEC/EN60947-1) Protection fuse		A	90
Protection fuse		٨	20
	gG (IEC)	A	20
Making conspirity (DMS yalua)	aM (IEC)	A A	10 92
Making capacity (RMS value)		A	92
Breaking capacity at voltage	4401/	۸	70
	440V	A	72
	500V	A	72
	690V	A	72
Resistance per pole (average value)		mΩ	10
Power dissipation per pole (average value)		147	
	Ith	W	4
The first free free free free free free free	AC3	W	0.81
Tightening torque for terminals			
	min	Nm	0.8
	max	Nm	1
	min	Ibin	9
	max	lbin	9
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	lbin	9
	max	Ibin	9
Max number of wires simultaneously connectable		Nr.	2



Conductor section

Conductor section				
	AWG/Kcmil			
		max		12
	Flexible w/o lug conductor section			
		min	mm²	0.75
		max	mm²	2.5
	Flexible c/w lug conductor section			
	, and the second s	min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section	1		
	······································	min	mm²	1.5
		max	mm²	2.5
				IP20 when
Power terminal protec	tion according to IEC/EN 60529			properly wired
Mechanical features				
Operating position				
oporating pooliton		normal		Vertical plan
		allowable		±30°
		allowable		Screw / DIN rail
Fixing				35mm
Weight			0	180
			g	100
Conductor section				
	AWG/kcmil conductor section			
		max		12
Auxiliary contact chara	acteristics			
Thermal current Ith			А	10
IEC/EN 60947-5-1 de	signation			A600
Operating current DC	12			
		110V	А	2.9
Operating current DC	13			
		24V	А	2.9
		48V	А	1.4
		60V	А	1.1
		125V	А	0.3
		220V	А	0.1
		600V	A	0.6
Operations				
Mechanical life			cycles	2000000
Electrical life			cycles	500000
Safety related data			0,0100	000000
	0d according to EN/ISO 13489-1			
r enomiance level DT		roted load	avalaa	50000
	_	rated load	cycles	500000 20000000
Mirror contate		mechanical load	cycles	
	ng to IEC/EN 609474-4-1			YES
EMC compatibility				yes
AC coil operating			, ·	
Rated AC voltage at 6	UHZ		V	48
AC operating voltage				
	of 60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	75
		max	%Us	115
	drop-out			



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			min	%Us	20
			max	%Us	55
AC average coil consi	umption at 20°C				
to avoiago con cono.		powered at 50Hz			
	01 00/00112 0011		in-rush	VA	30
			holding	VA VA	4
		awarad at COLL-	noiding		4
		powered at 60Hz	in much		25
			in-rush	VA	25
			holding	VA	3
	of 60Hz coil pow	rered at 60Hz			
			in-rush	VA	30
			holding	VA	4
Dissipation at holding				W	0.95
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us c	ontrol				
.	in AC				
	·····	Closing NO			
		2.20119110	min	ms	12
			max	ms	21
		Opening NO	Παλ		- '
		Opening NO	min	ma	9
			min	ms	
			max	ms	18
		Closing NC			47
			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			
			min	ms	2
			max	ms	3
		Closing NC	max		-
			min	ms	3
			max	ms	5
		Opening NC	IIIdX	1115	5
			min	ma	11
			min	ms	11
			max	ms	17
JL technical data					
Full-load current (FLA) for three-phase A	C motor			
			at 480V	A	7.6
			at 600V	A	6.1
ielded mechanical p	erformance				
	for single-phase	AC motor			
	- •		110/120V	HP	0.5
			230V	HP	1.5
	for three-phase	AC motor			
			200/208V	HP	2
			200/2000		-
			220/230V	HP	3

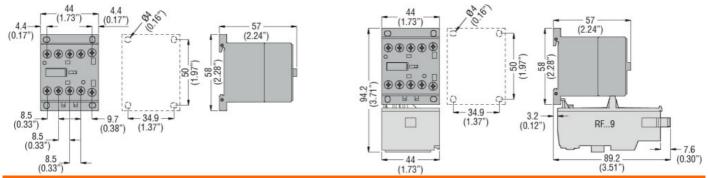
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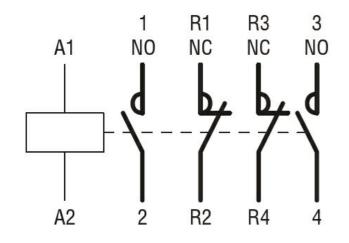
11BG09T2A04860 FOUR-POLE CONTACTOR, AC COIL 60HZ, 48VAC, 2NO AND 2NC

ENERGY AND AUTOMATION
460/480V HP 5
575/600V HP 5
General USE
Contactor
AC current A 20
Ambient conditions
Temperature
Operating 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

ETIM 8.0

EC000066 -Power contactor, AC switching