



min max AC-1 (≤40°C) AC-1 (≤55°C) AC-1 (≤70°C) 440V ≤55°C) AC-4 (400V)	Nr. V kV Hz Hz A A A A KW	Power contactor BG09  4 690 6 25 400  20 18 15 9 4
max AC-1 (≤40°C) AC-1 (≤55°C) AC-1 (≤70°C) 440V ≤55°C) AC-4 (400V)	V kV Hz Hz A A A A	BG09  4 690 6 25 400  20 18 15 9
max AC-1 (≤40°C) AC-1 (≤55°C) AC-1 (≤70°C) 440V ≤55°C) AC-4 (400V)	V kV Hz Hz A A A A	4 690 6 25 400 20 18 15 9
max AC-1 (≤40°C) AC-1 (≤55°C) AC-1 (≤70°C) 440V ≤55°C) AC-4 (400V)	V kV Hz Hz A A A A	690 6 25 400 20 18 15 9
max AC-1 (≤40°C) AC-1 (≤55°C) AC-1 (≤70°C) 440V ≤55°C) AC-4 (400V)	V kV Hz Hz A A A A	690 6 25 400 20 18 15 9
max AC-1 (≤40°C) AC-1 (≤55°C) AC-1 (≤70°C) 440V ≤55°C) AC-4 (400V)	Hz Hz A A A A	6 25 400 20 18 15 9
max AC-1 (≤40°C) AC-1 (≤55°C) AC-1 (≤70°C) 440V ≤55°C) AC-4 (400V)	Hz Hz A A A A	25 400 20 18 15 9
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AC-1 (≤70°C) 440V ≤55°C) AC-4 (400V)	A A A	15 9
440V ≤55°C) AC-4 (400V)	A A	9
AC-4 (400V)	Α	
, ,		4
230V	<i>۱</i> ۸۸	
230V	<b>Ŀ</b> \//	
	r v v	8
400V	kW	14
500V	kW	16
690V	kW	22
	Α	96
	,,	
gG (IEC)	Α	20
aM (IEC)	A	10
aivi (ILC)		92
	Α	92
4.40\/	Δ.	70
440V	Α	72 
500V	Α	72
690V	A	72
	mΩ	10
Ith	W	4
AC-3	W	0.81
	Nm	0.8
min	Nm	1
min max	Ibin	9
max		9
max min	lbin	-
max	lbin	
max min max		0.8
max min max min	Nm	0.8
max min max min max	Nm Nm	1
max min max min max min	Nm Nm Ibin	1 9
max min max min max	Nm Nm	1
		max Ibin





Α	W	G/	ΊK	cm	i
, ,		$\smile$		O:::	٠

	AVVG/Kcmil			
		max		12
	Flexible w/o lug conductor section		3	0.75
		min	mm²	0.75
	Florible of white conductor coefficient	max	mm²	2.5
	Flexible c/w lug conductor section	min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor		111111	2.0
	Tiexible with indulated spade rag conductor	min	mm²	1.5
		max	mm²	2.5
Power terminal prote	ection according to IEC/EN 60529			IP20 when
Mechanical features				properly wired
Operating position				
Operating position		normal		Vertical plan
		allowable		±30°
Fixing	_	ano mabio		Screw / DIN rail
				35mm
Weight			g	178
Conductor section	ANAIC/learned and Leaters and			
	AWG/kcmil conductor section	ma:		12
Auxiliary contact cha	practoristics	max		12
Thermal current Ith	il acteristics		А	10
Operations	l			10
Mechanical life			cycles	20000000
Electrical life			cycles	500000
Safety related data	l		0,0100	
•	310d according to EN/ISO 13489-1			
	ŭ	rated load	cycles	500000
		mechanical load	cycles	20000000
Mirror contats accor	ding to IEC/EN 609474-4-1			YES
EMC compatibility				yes
AC coil operating				
Rated AC voltage at	: 50/60Hz		V	400
AC operating voltage	е			
	of 50/60Hz coil powered at 50Hz			
	pick-up			
		min	%Us	75
	duan aut	max	%Us	115
	drop-out		0/110	20
		min max	%Us %Us	20 55
	of 50/60Hz coil powered at 60Hz	IIIdX	/005	JJ
	pick-up			
	ριοίν αρ	min	%Us	80
		max	%Us	115
	drop-out	man		<del>-</del>
	2. Jp 32.	min	%Us	20
		max	%Us	55
AC average coil con	sumption at 20°C			
Ŭ	of 50/60Hz coil powered at 50Hz			
	-		VA	30



	·	holding	VA	4
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	25
	. ( 0011	holding	VA	3
	of 60Hz coil powered at 60Hz	io much	١/٨	20
		in-rush holding	VA VA	30 4
Dissipation at holding ≤	220°C 50Hz	riolaling	W	0.95
Max cycles frequency	-20 0 00112		VV	0.00
Mechanical operation			cycles/h	3600
Operating times			, , , , , ,	
Average time for Us co	ntrol			
· ·	in AC			
	Closing NO			
		min	ms	12
		max	ms	21
	Opening NO			
		min	ms	9
		max	ms	18
	Closing NC		<b>m</b> c	17
		min max	ms ms	17 26
	Opening NC	IIIdX	ms	20
	Opening NO	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			0
		min	ms	3
	Opening NC	max	ms	5
	Opening 110	min	ms	11
		max	ms	17
UL technical data				
	for three-phase AC motor			
		at 480V	Α	7.6
		at 600V	Α	6.1
Yielded mechanical pe				
	for single-phase AC motor			
		110/120V	HP	0.5
		230V	HP	1.5
	for three-phase AC motor	200/208V	HP	2
		200/208V 220/230V	HP	2
		460/480V	HP	3 5
		575/600V	HP	5
General USE		3.0,000 1	***	
<del>-</del>	Contactor			
		AC current	Α	20

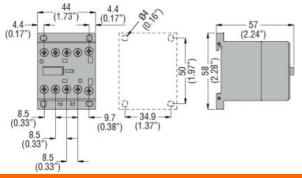


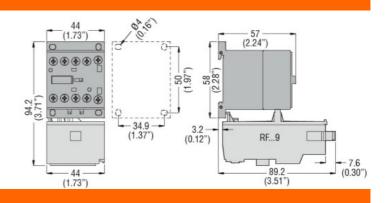
**ENERGY AND AUTOMATION** 

#### Ambient conditions Temperature Operating temperature °C min -50 °C +70 max Storage temperature °C min -60 °C +80 max Max altitude 3000 m Resistance & Protection

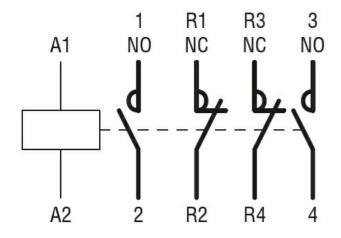
Pollution degree 3

#### **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





# FOUR-POLE CONTACTOR, AC COIL 50/60HZ, 400VAC, 2NO AND 2NC