



Product designation Product type designation			Power contactor BGP09
Contact characteristics			
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	500
Rated impulse withstand voltage Uimp		kV	6
Operational frequency			
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		А	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-3 (T≤55°C)			
	230V	kW	2.2
	400V	kW	4
	415V	kW	4.3
	440V	kW	4.5
	500V	kW	5
Rated operational power AC-1 (T≤40°C)			
	230V	kW	8
	400V	kW	14
	500V	kW	16
Short-time allowable current for 10s (IEC/EN60947-1)		Α	96
Protection fuse			
	gG (IEC)	А	20
	aM (IEC)	Α	10
Making capacity (RMS value)		Α	92
Breaking capacity at voltage			
	440V	А	72
	500V	Α	72
Resistance per pole (average value)		mΩ	10
Power dissipation per pole (average value)			
	lth	W	4
	AC-3	W	0.81
Tightening torque for terminals			
	min	Nm	0.8
	max	Nm	1
	min	Ibin	9
	max	Ibin	9
Tightening torque for coil terminal			
	min	Nm	0.8



11BGP0901A110 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, AC COIL 50/60HZ, R PIN

ENERGY AND AUTOMATION	110VAC, 1NC AUXIL	IARY CONTAC	T, REAR	PCB SOLDER PIN
		max	Nm	1
		min	lbin	9
		max	lbin	9
Max number of wires	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		max		12
	Flexible w/o lug conductor section			
		min	mm²	0.8
		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			
		min	mm²	1.5
		max	mm²	2.5
	ction according to IEC/EN 60529			IP00
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight			a	200
Conductor section			g	200
COnductor Section	AWG/kcmil conductor section			
		max		12
Auxiliary contact char	acteristics	max		12
Thermal current Ith			А	10
IEC/EN 60947-5-1 de	esignation			A600 - Q600
Operating current AC	-			
1 0		230V	А	3
		400V	А	1.9
		500V	А	1.4
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	А	0.6
Operations				
Mechanical life			cycles	20000000
Electrical life			cycles	500000
Safety related data				
Performance level B1	10d according to EN/ISO 13489-1			
		rated load	cycles	500000
		echanical load	cycles	20000000
	ing to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating				

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THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, AC COIL 50/60HZ, 110VAC, 1NC AUXILIARY CONTACT, REAR PCB SOLDER PIN

Rated AC voltage at 5	0/60Hz			V	110
C operating voltage					
	of 50/60Hz coil p				
		pick-up			
			min	%Us	75
			max	%Us	115
		drop-out	min	%Us	20
			max	%Us %Us	20 55
	of 50/60Hz coil p	owered at 60Hz	IIIdX	/005	55
		pick-up			
		ρισκ-αρ	min	%Us	80
			max	%Us	115
		drop-out	тах	/000	110
			min	%Us	20
			max	%Us	55
C average coil consu	umption at 20°C			,	
	of 50/60Hz coil p	owered at 50Hz			
			in-rush	VA	30
			holding	VA	4
	of 50/60Hz coil p	owered at 60Hz	9		
			in-rush	VA	25
			holding	VA	3
	of 60Hz coil pow	ered at 60Hz			
			in-rush	VA	30
			holding	VA	4
Dissipation at holding	≤20°C 50Hz			W	0.95
Max cycles frequency					
				cycles/h	3600
Dperating times				cycles/h	3600
Operating times				cycles/h	3600
Operating times	ontrol in AC			cycles/h	3600
Dperating times		Closing NO			
Dperating times		Closing NO	min	ms	12
Dperating times		-	min max		
Dperating times		Closing NO Opening NO	max	ms ms	12 21
Operating times		-	max	ms ms ms	12 21 9
Operating times		Opening NO	max	ms ms	12 21
Operating times		-	max min max	ms ms ms ms	12 21 9 18
Dperating times		Opening NO	max min max min	ms ms ms ms ms	12 21 9 18 17
Dperating times		Opening NO Closing NC	max min max	ms ms ms ms	12 21 9 18
Aechanical operation Operating times Average time for Us c		Opening NO	max min max min max	ms ms ms ms ms ms	12 21 9 18 17 26
Operating times		Opening NO Closing NC	max min max min max min	ms ms ms ms ms ms	12 21 9 18 17 26 7
Dperating times	in AC	Opening NO Closing NC	max min max min max	ms ms ms ms ms ms	12 21 9 18 17 26
Dperating times		Opening NO Closing NC Opening NC	max min max min max min	ms ms ms ms ms ms	12 21 9 18 17 26 7
Operating times	in AC	Opening NO Closing NC	max min max min max min max	ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17
Operating times	in AC	Opening NO Closing NC Opening NC	max min max min max min max	ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 18
Operating times	in AC	Opening NO Closing NC Opening NC Closing NO	max min max min max min max	ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17
Operating times	in AC	Opening NO Closing NC Opening NC	max min max min max min max	ms ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 18 25
Dperating times	in AC	Opening NO Closing NC Opening NC Closing NO	max min max min max min max min max	ms ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 18 25 2
perating times	in AC	Opening NO Closing NC Opening NC Closing NO Opening NO	max min max min max min max	ms ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 18 25
perating times	in AC	Opening NO Closing NC Opening NC Closing NO	max min max min max min max min max	ms ms ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 18 25 2 3
Operating times	in AC	Opening NO Closing NC Opening NC Closing NO Opening NO	max min max min max min max min max	ms ms ms ms ms ms ms ms ms	12 21 9 18 17 26 7 17 18 25 2

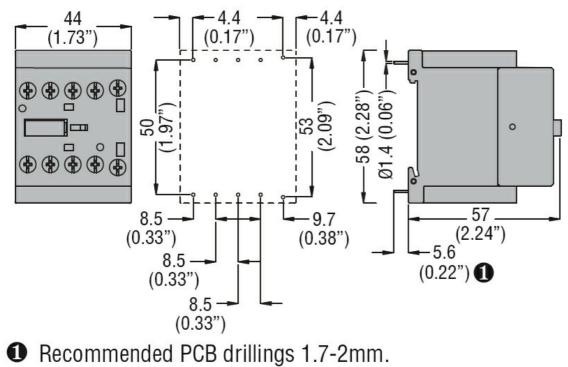


11BGP0901A110 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, AC COIL 50/60HZ, 110VAC, 1NC AUXILIARY CONTACT, REAR PCB SOLDER PIN

	Opening NC			
		min	ms	11
		max	ms	17
UL technical data				
Full-load current (FL	A) for three-phase AC motor			
		at 480V	A	7.6
		at 600V	A	6.1
Yielded mechanical	performance			
	for single-phase AC motor			
		110/120V	HP	0.5
		230V	HP	1.5
	for three-phase AC motor			
		200/208V	HP	2
		220/230V	HP	3
		460/480V	HP	5
		575/600V	HP	5
General USE				
	Contactor			
		AC current	А	20
Contact rating of aux	kiliary contacts according to UL			A600 - Q600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	+70
	Storage temperature			
		min	°C	-60
		max	°C	+80
Max altitude			m	3000
Resistance & Protect	ction			

Pollution degree

Dimensions



3

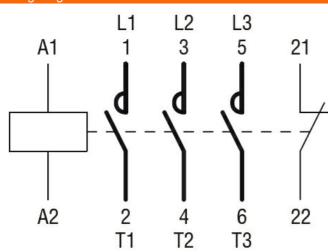


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ENERGY AND AUTOMATION

110VAC, 1NC AUXILIARY CONTACT, REAR PCB SOLDER PIN





Certifications and compliance

Compl	iance

•••••		
	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		
	cURus	
	EAC	
ETIM classification		
		E000000

ETIM 8.0

EC000066 -Power contactor, AC switching