



Product designation			Power contactor
Product type designation			BGP09
Contact characteristics			
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	500
Rated impulse withstand voltage Uimp		kV	6
Operational frequency		i v	•
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	Шал	A	20
		A	20
Operational current le		٨	00
	AC-1 (≤40°C)	A	20
	AC-1 (≤55°C)	A	18
	AC-1 (≤70°C)	A	15
	AC-3 (≤440V ≤55°C)	A	9
	AC-4 (400V)	A	4
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)	А	10
Making capacity (RMS value)		А	92
Breaking capacity at voltage			
	440V	А	72
	500V	А	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			0.01
	min	Nm	0.8
	max	Nm	1
	min	Ibin	9
	max	Ibin	9
Tightening torque for coil terminal	illax		3
		N	0.9
	min	Nm	0.8
	max	Nm	1
	min	Ibin	9
	max	Ibin	9
Max number of wires simultaneously connectable		Nr.	2

AWG/Kcmil



**11BGP09T4A400** FOUR-POLE CONTACTOR, AC COIL 50/60HZ, 400VAC, REAR PCB SOLDER PIN

		<b>20</b> 01/		10
	Flexible w/o lug conductor section	max		12
	r lexible w/o lug conductor section	min	mm²	0.8
		max	mm²	2.5
	Flexible c/w lug conductor section			
	Ű	min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conducto	r section		
		min	mm²	1.5
		max	mm²	2.5
	tion according to IEC/EN 60529			IP00
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight			g	200
Conductor section				
	AWG/kcmil conductor section			
A the second second second	and the second	max		12
Auxiliary contact chara	acteristics		•	4.0
Thermal current lth	aignation		A	10 A600
IEC/EN 60947-5-1 des Operations	signation			A600
Mechanical life			cycles	20000000
Electrical life			cycles	500000
Safety related data			eyelee	
	0d according to EN/ISO 13489-1			
	5	rated load	cycles	500000
		mechanical load	cycles	2000000
Mirror contats accordi	ng to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 5	0/60Hz		V	400
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up	*-	0/11-	75
		min	%Us %Us	75 115
	drop-out	max	/005	115
	arop-out	min	%Us	20
		max	%Us	55
	of 50/60Hz coil powered at 60Hz		,	
	pick-up			
		min	%Us	80
		max	%Us	115
	drop-out			
		min	%Us	20
		max	%Us	55
AC average coil consu	•			
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	30
		holding	VA	4



## 11BGP09T4A400

FOUR-POLE CONTACTOR, AC COIL 50/60HZ, 400VAC, REAR PCB SOLDER PIN

	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	25
		holding	VA	3
	of 60Hz coil powered at 60Hz			
		in-rush	VA	30
		holding	VA	4
Dissipation at holding ≤	20°C 50Hz		W	0.95
Max cycles frequency				
Mechanical operation			cycles/h	3600
Operating times				
Average time for Us con				
	in AC			
	Closing NO			
		min	ms	12
		max	ms	21
	Opening NO			0
		min	ms	9
		max	ms	18
	Closing NC			47
		min	ms	17
	Opening NO	max	ms	26
	Opening NC	min	-	7
		min	ms	7 17
	in DC	max	ms	17
	Closing NO	min	me	18
			ms	25
	Opening NO	max	ms	20
	Opening NO	min	ms	2
		max	ms	3
	Closing NC	Пах	1115	5
		min	ms	3
		max	ms	5
	Opening NC	Пах	mo	0
	oponing ito	min	ms	11
		max	ms	17
UL technical data				
	for three-phase AC motor			
		at 480V	А	7.6
		at 600V	A	6.1
Yielded mechanical per	formance			
	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
Ambient conditions				

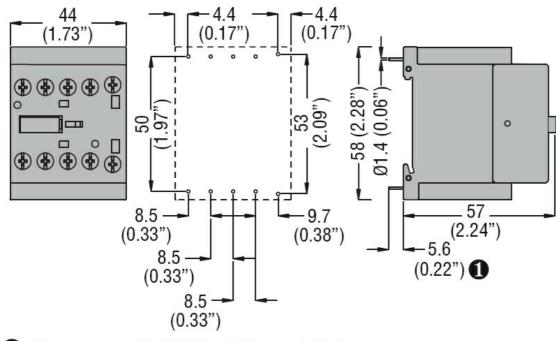
11BGP09T4A400 The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



## Temperature

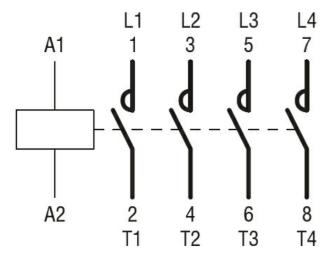
Operating temperature			
	min	°C	-50
	max	°C	+70
Storage temperature			
	min	°C	-60
	max	°C	+80
Max altitude		m	3000
Resistance & Protection			
Pollution degree			3
Dimonsions			





Recommended PCB drillings 1.7-2mm.

## 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		
	cURus	
	EAC	
ETIM classification		
		EC000066 -
ETIM 8.0		Power contactor,

AC switching