electric THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, DC COIL, 48VDC, 1NC AUXILIARY CONTACT, REAR PCB SOLDER PIN **ENERGY AND AUTOMATION**



Product designation			Power contactor
Product type designation			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		Α	20
Operational current le			
	AC-1 (≤40°C)	Α	20
	AC-1 (≤55°C)	Α	18
	AC-1 (≤70°C)	Α	15
	AC-3 (≤440V ≤55°C)	Α	9
	AC-4 (400V)	Α	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)	Α	20
	aM (IEC)	Α	10
Making capacity (RMS value)		Α	92
Breaking capacity at voltage			
	440V	Α	72
	500V	Α	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			
	min	Nm	0.8
	max	Nm	1
	min	Ibin	9
	max	Ibin	9
Tightening torque for coil terminal	min	Nm	0.8



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max	Nm	1
min	Ibin	9
max	Ibin	9
	Nr.	2
max		12
min	mm²	0.8
max	mm²	2.5
min		1.5
max	mm ²	2.5
1		
min		1.5
max	mm²	2.5
		IP00
normal		Vertical plan
allowable		±30°
		Screw / DIN rail
		35mm
	g	240
		4.0
mav		
Παλ		12
IIIdA	^	
IIIax	A	10
Шах	A	
		10 A600 - Q600
230V	A	10 A600 - Q600
230V 400V	A A	10 A600 - Q600 3 1.9
230V	A	10 A600 - Q600
230V 400V 500V	A A A	10 A600 - Q600 3 1.9 1.4
230V 400V	A A	10 A600 - Q600 3 1.9
230V 400V 500V	A A A	10 A600 - Q600 3 1.9 1.4
230V 400V 500V 110V	A A A	10 A600 - Q600 3 1.9 1.4 2.9
230V 400V 500V 110V 24V 48V	A A A A	10 A600 - Q600 3 1.9 1.4 2.9
230V 400V 500V 110V 24V 48V 60V	A A A A A	10 A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1
230V 400V 500V 110V 24V 48V 60V 125V	A A A A A	10 A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3
230V 400V 500V 110V 24V 48V 60V 125V 220V	A A A A A A	10 A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3 0.1
230V 400V 500V 110V 24V 48V 60V 125V	A A A A A	10 A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3
230V 400V 500V 110V 24V 48V 60V 125V 220V	A A A A A A	10 A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3 0.1 0.6
230V 400V 500V 110V 24V 48V 60V 125V 220V	A A A A A A A Cycles	10 A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3 0.1 0.6
230V 400V 500V 110V 24V 48V 60V 125V 220V	A A A A A A	10 A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3 0.1 0.6
230V 400V 500V 110V 24V 48V 60V 125V 220V	A A A A A A A Cycles	10 A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3 0.1 0.6
230V 400V 500V 110V 24V 48V 60V 125V 220V 600V	A A A A A A A Cycles	10 A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3 0.1 0.6 20000000 500000
230V 400V 500V 110V 24V 48V 60V 125V 220V 600V	A A A A A A Cycles cycles	10 A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3 0.1 0.6 20000000 500000
230V 400V 500V 110V 24V 48V 60V 125V 220V 600V	A A A A A A A Cycles	10 A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3 0.1 0.6 20000000 500000 500000
230V 400V 500V 110V 24V 48V 60V 125V 220V 600V	A A A A A A Cycles cycles	10 A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3 0.1 0.6 20000000 500000 500000 200000000 yes
230V 400V 500V 110V 24V 48V 60V 125V 220V 600V	A A A A A A Cycles cycles	10 A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3 0.1 0.6 20000000 500000 500000
	min max max min max min max min max	min Ibin Max Ibin Nr. max min mm² max mm² min mm² max mm² min mm² max mm² min mm² max mm² g



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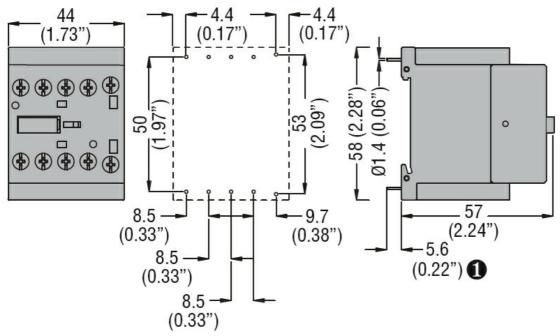
DC rated control voltage	је			V	48
DC operating voltage					
	pick-up				
			min	%Us	75
			max	%Us	115
	drop-out			0/11	
			min	%Us	10
Average seil sensumn	tion <20°C		max	%Us	25
Average coil consump	uon ≥20 C		in-rush	W	3.2
			holding	W	3.2
Max cycles frequency			ribiding	VV	3.2
Mechanical operation				cycles/h	3600
Operating times				0,0100/11	0000
Average time for Us co	ontrol				
	in AC				
	-	Closing NO			
		3	min	ms	12
			max	ms	21
		Opening NO			
		-	min	ms	9
			max	ms	18
		Closing NC			
			min	ms	17
			max	ms	26
		Opening NC	_		
			min	ms	7
			max	ms	17
	in DC	Clasina NO			
		Closing NO	min	me	18
			max	ms ms	25
		Opening NO	Παλ	1113	23
		Opening 140	min	ms	2
			max	ms	3
		Closing NC			
		3	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	motor			
			at 480V	A	7.6
			at 600V	Α	6.1
Yielded mechanical pe		0			
	for single-phase A	C motor	440/4001	1.10	0.5
			110/120V	HP	0.5
	for three phase AC	motor	230V	HP	1.5
	for three-phase AC	IIIOTOF	200/2001	UD	2
			200/208V 220/230V	HP HP	2
			460/480V	HP	5 5
			575/600V	HP	5
			37 3/000 V	1 11	



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AUXILIARY CONTACT, REAR PCB SOLDER PIN

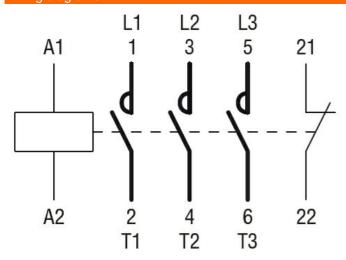
ENERGY AND AUTOMATION

General USE				
	Contactor			
		AC current	Α	20
Contact rating of aux	xiliary contacts according to UL			A600 - Q600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
	<u> </u>	max	°C	+70
	Storage temperature			
		min	°C	-60
		max	°C	+80
Max altitude			m	3000
Resistance & Protect	ction			
Pollution degree				3
Dimensions				



• Recommended PCB drillings 1.7-2mm.

Wiring diagrams



Certifications and compliance



11BGP0901D048

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ENERGY AND AUTOMATION

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

ETIM 8.0

EC000066 -Power contactor, AC switching