



Product designation Product type designation			Power contactor BGP09
Contact characteristics			BGP 09
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	500
Rated impulse withstand voltage Uimp		kV	6
Operational frequency			0
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		A	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)			
	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



11BGP0910D125 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, DC COIL, 125VDC, 1NO AUXILIARY CONTACT, REAR PCB SOLDER PIN

		max	Nm	1
		min	lbin	9
		max	lbin	9
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		max		12
	Flexible w/o lug conductor section		2	
		min	mm²	0.8
		max	mm²	2.5
	Flexible c/w lug conductor section			4 5
		min	mm²	1.5
	The Mills Mills is the transmission of the second strategy of the	max	mm²	2.5
	Flexible with insulated spade lug conductor section			4 5
		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 rai 35mm
Weight			g	240
Conductor section				
	AWG/kcmil conductor section			
		max		12
Auxiliary contact chara	acteristics			
Auxiliary contact chara Thermal current Ith	acteristics		А	10
			A	10 A600 - Q600
Thermal current Ith	signation		A	
Thermal current Ith IEC/EN 60947-5-1 de	signation	230V	A	
Thermal current Ith IEC/EN 60947-5-1 de	signation	230V 400V		A600 - Q600
Thermal current Ith IEC/EN 60947-5-1 de	signation		A	A600 - Q600 3
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC1	signation 15	400V	A A	A600 - Q600 3 1.9
Thermal current Ith IEC/EN 60947-5-1 de	signation 15	400V 500V	A A A	A600 - Q600 3 1.9 1.4
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC1 Operating current DC1	signation 15 12	400V	A A	A600 - Q600 3 1.9
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC1	signation 15 12	400V 500V	A A A A	A600 - Q600 3 1.9 1.4 2.9
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC1 Operating current DC1	signation 15 12	400V 500V 110V 24V	A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC1 Operating current DC1	signation 15 12	400V 500V 110V 24V 48V	A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 2.9 1.4
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC1 Operating current DC1	signation 15 12	400V 500V 110V 24V 48V 60V	A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 2.9 1.4 1.1
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC1 Operating current DC1	signation 15 12	400V 500V 110V 24V 48V 60V 125V	A A A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 2.9 1.4 1.1 0.3
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC1 Operating current DC1	signation 15 12	400V 500V 110V 24V 48V 60V 125V 220V	A A A A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3 0.1
Thermal current Ith EC/EN 60947-5-1 de Operating current AC1 Operating current DC2	signation 15 12	400V 500V 110V 24V 48V 60V 125V	A A A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC1 Operating current DC2 Operating current DC2	signation 15 12	400V 500V 110V 24V 48V 60V 125V 220V	A A A A A A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3 0.1 0.6
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC1 Operating current DC2 Operating current DC2 Operations Mechanical life	signation 15 12	400V 500V 110V 24V 48V 60V 125V 220V	A A A A A A A A A A A A Cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3 0.1 0.6 20000000
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC1 Operating current DC2 Operating current DC2 Operations Operations Mechanical life Electrical life	signation 15 12	400V 500V 110V 24V 48V 60V 125V 220V	A A A A A A A A A A A A	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3 0.1 0.6
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC1 Operating current DC2 Operating current DC2 Operating current DC2 Operations Mechanical life Electrical life Safety related data	signation 15 12 13	400V 500V 110V 24V 48V 60V 125V 220V	A A A A A A A A A A A A Cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3 0.1 0.6 20000000
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC1 Operating current DC2 Operating current DC2 Operating current DC2 Operations Mechanical life Electrical life Safety related data	signation 15 12	400V 500V 110V 24V 48V 60V 125V 220V 600V	A A A A A A A A A A Cycles cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3 0.1 0.6 20000000 500000
Thermal current Ith EC/EN 60947-5-1 de Operating current AC1 Operating current DC2 Operating current DC2 Operations Mechanical life Electrical life Safety related data	signation 15 12 13 0d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 125V 220V 600V	A A A A A A A A A A A Cycles cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3 0.1 0.6 20000000 500000 500000
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC1 Operating current DC2 Operating current DC2 Operating current DC2 Operations Mechanical life Electrical life Safety related data Performance level B1	signation 15 12 13 0d according to EN/ISO 13489-1 med	400V 500V 110V 24V 48V 60V 125V 220V 600V	A A A A A A A A A A Cycles cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3 0.1 0.6 20000000 500000 500000 500000
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC1 Operating current DC2 Operating current DC2 Operating current DC2 Operations Mechanical life Electrical life Safety related data Performance level B1	signation 15 12 13 0d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 125V 220V 600V	A A A A A A A A A A A Cycles cycles	A600 - Q600 3 1.9 1.4 2.9 2.9 1.4 1.1 0.3 0.1 0.6 20000000 500000 500000



11BGP0910D125 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, DC COIL, 125VDC,

1NO AUXILIARY CONTACT, REAR PCB SOLDER PIN

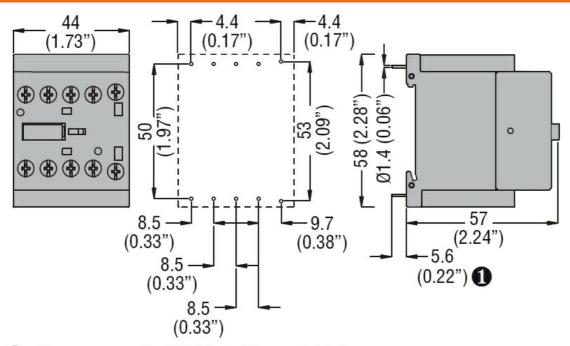
DC operating voltage pick-up min %Us 75 drop-out max %Us 115 drop-out min %Us 10 Average coll consumption ≤20°C in-rush W 3.2 Average coll consumption ≤20°C in-rush W 3.2 Max cycles frequency w 3.2 Mechanical operation cycles/h 3600 Operating times w 3.2 Average time for Us control in AC min ms 12 Closing NO min ms 12 max ms 18 10 Closing NC min ms 17 max ms 16 17 in DC Closing NC min ms 17 max ms 17 max ms 17 in DC Closing NO min ms 17 max ms 17 max ms 17	
min %Us 75 drop-out min %Us 115 Average coil consumption ≤20°C max %Us 25 Average coil consumption ≤20°C in-rush W 3.2 Max cycles frequency w 3.2 Mechanical operation cycles/h 3600 Operating times cycles/h 3600 Average time for Us control in AC min ms 12 Opening NO min ms 21 Opening NO max ms 18 Closing NC min ms 17 max ms 26 min ms 17 in DC Closing NO min ms 17	
max %Us 115 drop-out min %Us 10 max %Us 25 Average coil consumption ≤20°C in-rush W 3.2 Max cycles frequency in-rush W 3.2 Mechanical operation cycles/h 3600 Operating times s600 s600 Average time for Us control in AC min ms 12 Closing NO min ms 12 Max Ms 21 max ms 21 Opening NO min ms 12 max ms 18 Closing NC min ms 16 max 18 16 Opening NC min ms 26 max ms 26 Min ms 7 max ms 17 Max Closing NO min ms 17 Max Closing NO min ms 17	
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min max%Us %Us10 25Average coil consumption ≤20°Cin-rush 	
max%Us25Average coil consumption ≤20°Cin-rush holdingW3.2 holdingMax cycles frequencyW3.2Mechanical operationcycles/h3600Operating timescycles/h3600Average time for Us control in ACminms12 maxClosing NOminms12 maxMaxClosing NOminms13 maxMaxClosing NOminms18 maxClosing NCminms17 max18 maxClosing NCminms17 maxMaxDopening NCminms17 maxIn DCClosing NOminms7 maxIn DCClosing NOminms17 maxIn DCClosing NOminms17 maxIn DCClosing NOminms17 maxIn DCClosing NOminms17 max	
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min ms 7 max ms 17 in DC Closing NO	
max ms 17 in DC Closing NO	
in DC Closing NO	
Closing NO	
max ms 25	
Opening NO	
min ms 2	
max ms 3	
Closing NC	
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 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	

11BGP0910D125 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



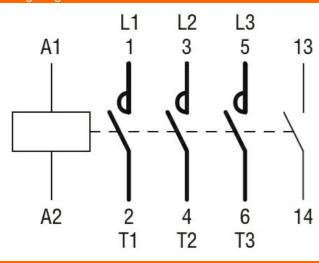
11BGP0910D125 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, DC COIL, 125VDC, 1NO AUXILIARY CONTACT, REAR PCB SOLDER PIN

General USE			
Contactor			
	AC current	А	20
Contact rating of auxiliary 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 & Protection			
Pollution degree			3
Dimensions			



Recommended PCB drillings 1.7-2mm.





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,

Power contactor, AC switching