



Product designation			Auxiliary contactor
Product type designation			BG00
Contact characteristics			2000
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Operational frequency			
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		Α	10
Protection fuse			
	gG (IEC)	Α	16
Tightening torque for terminals			
	min	Nm	0.8
	max	Nm	1
	min	lbin	9
	max	lbin	9
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	lbin	9
	max	Ibin	9
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			4.0
Florida to Lorent Later and Co.	max		12
Flexible w/o lug conductor section			0.75
	min	mm² mm²	0.75 2.5
Flovible o/w lug conductor section	max	111111	2.5
Flexible c/w lug conductor section	min	mm²	1.5
	max	mm²	2.5
Flexible with insulated spade lug conductor section	Шах	111111	2.0
Tickliste with insulated spade lag conductor section	min	mm²	1.5
	max	mm <sup>2</sup>	2.5
	HUA		IP20 when
Power terminal protection according to IEC/EN 60529			properly wired
Mechanical features			
Operating position			
•	normal		Vertical plan
	allowable		±30°
Fixing			Screw / DIN rail 35mm
Weight		g	203



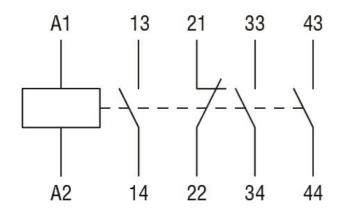
**ENERGY AND AUTOMATION** 

Conductor section					<del>-</del>
	AWG/kcmil condu	ictor section			
A Management of the co	at a district		max		12
Auxiliary contact chara	cteristics			^	4.0
Thermal current Ith	nian ation			Α	10
IEC/EN 60947-5-1 des Operating current AC1	-				A600 - Q600
Operating current ACT	3		230V	Α	3
			400V	A	1.9
			500V	A	1.4
Operating current DC1	2				
operaning carroin a co			110V	Α	2.9
Operating current DC1	3				
			24V	Α	2.9
			48V	Α	1.4
			60V	Α	1.2
			110V	Α	0.6
			125V	Α	0.55
			220V	Α	0.3
			600V	Α	0.1
Operations					
Mechanical life				cycles	20000000
Safety related data	0.1 U	// O. A.			
Performance level B10	Od according to EN/	ISO 13489-1			
N.4"	. JEO/EN 000 47		mechanical load	cycles	20000000
Mirror contats according	ng to IEC/EN 60947	4-4-1			YES
EMC compatibility					VAC
					yes
DC coil operating	20			V	
DC coil operating DC rated control voltage	ge			V	24
DC coil operating	-			V	
DC coil operating DC rated control voltage	ge pick-up		min		24
DC coil operating DC rated control voltage	-		min max	%Us	24 75
DC coil operating DC rated control voltage	pick-up		min max		24
DC coil operating DC rated control voltage	-			%Us	24 75
DC coil operating DC rated control voltage	pick-up		max	%Us %Us	75 115
DC coil operating DC rated control voltage	pick-up drop-out		max min	%Us %Us %Us	24 75 115
DC coil operating DC rated control voltage DC operating voltage	pick-up drop-out		max min	%Us %Us %Us	24 75 115
DC coil operating DC rated control voltage DC operating voltage	pick-up drop-out		max min max	%Us %Us %Us %Us	75 115 10 20
DC coil operating DC rated control voltage DC operating voltage  Average coil consump  Max cycles frequency	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us W W	24 75 115 10 20 2.3 2.3
DC coil operating DC rated control voltage DC operating voltage  Average coil consump  Max cycles frequency Mechanical operation	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us %Us	24 75 115 10 20 2.3 2.3
DC coil operating DC rated control voltage DC operating voltage  Average coil consump  Max cycles frequency Mechanical operation Operating times	pick-up  drop-out  tion ≤20°C		max min max in-rush	%Us %Us %Us %Us W W	24 75 115 10 20 2.3 2.3
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DC coil operating DC rated control voltage DC operating voltage  Average coil consump  Max cycles frequency Mechanical operation Operating times	pick-up  drop-out  tion ≤20°C		max min max in-rush	%Us %Us %Us %Us W W	24 75 115 10 20 2.3 2.3
DC coil operating DC rated control voltage DC operating voltage  Average coil consump  Max cycles frequency Mechanical operation Operating times	pick-up  drop-out  tion ≤20°C	Closing NO	max min max in-rush holding	%Us %Us %Us %Us W W	24  75 115  10 20  2.3 2.3 3600
DC coil operating DC rated control voltage DC operating voltage  Average coil consump  Max cycles frequency Mechanical operation Operating times	pick-up  drop-out  tion ≤20°C	Closing NO	max min max in-rush holding	%Us %Us %Us %Us W W	24  75 115  10 20  2.3 2.3 3600
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DC coil operating DC rated control voltage DC operating voltage  Average coil consump  Max cycles frequency Mechanical operation Operating times	pick-up  drop-out  tion ≤20°C	Opening NO	max min max in-rush holding min max	%Us %Us %Us %Us W W cycles/h	24  75 115  10 20  2.3 2.3 3600
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DC coil operating DC rated control voltage DC operating voltage  Average coil consump  Max cycles frequency Mechanical operation Operating times	pick-up  drop-out  tion ≤20°C	Opening NO	min max in-rush holding min max min max	%Us %Us %Us %Us W W cycles/h	24  75 115  10 20  2.3 2.3 3600  12 21



		Opening NC				
		. 0	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				
			min	ms	3	
			max	ms	5	
		Opening NC				
			min	ms	11	
			max	ms	17	
UL technical data						
General USE						
	Contactor					
			AC current	Α	10	
	ary 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	2000	
man annaa				m	3000	
Resistance & Protectio	n			III	3000	
	n			III	3	
Resistance & Protectio	n					
Resistance & Protectio Pollution degree Dimensions	#6		44 0 0 6		3	
Resistance & Protectio Pollution degree	n 57 (2.24")		44 (1.73") (1.37") (0.1 (1.37") (0.1			

Wiring diagrams



## Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-5-1

IEC/EN 60947-1

IEC/EN 60947-5-1

UL 60947-1

UL 60947-5-1

Certificates

cULus

EAC

ETIM classification

**ETIM 8.0** 

EC000196 -Contactor relay