



Product type designation contactor BG00 Contact characteristics BG00 Contact characteristics BG00 Contact characteristics BG00 Contact characteristics BG00 Rated insulation voltage UiEC/EN N + 4 Rated insulation voltage UiEC/EN + V 6 Operational frequency min Hz 25 max Hz 400 IEC Conventional frequency min Nm 0.8 max Nm 1 min Ibin 9 Max number of wires simultaneously connectable Nr. 2 Conductor section Min mm² 0.75 max m² 2.5 Flexible w/b lug conductor section min mm² 1.5 max mm² 2.5 Flexible w/b lug conductor section min mm² 1.5 max mm² 2.5 Flexible w/b 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 Flexible with insulated spade 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 Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal vertical plan allowable ±33° Fixing Screw / DIN rall Screw / DIN rall Scr	Product designation				Auxiliary
Contact characteristics Nr. 4 Number of poles Nr. 4 Rated insulation voltage UI IEC/EN V 690 Rated insulation voltage UI IEC/EN V 6 Operational frequency min Hz 25 max Hz 400 16 IEC Conventional frequency min Hz 25 max Hz 400 16 Tightening torque for terminals min Nrm 0.8 max Nrm 1 11 11 Tightening torque for coil terminal min Nrm 0.8 max Nrm 1 9 1 Tightening torque for coil terminal min Nrm 0.8 max Nrm 0.8 max Nrm 1 min Nrm 1 10 9 1 Max number of wires simultaneously connectable Nr. 2 2 2 Conductor section min mmax 12 15 15 Flexible w/o lug conductor section min mmax 15					
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AWG/Kcmil max 12 Flexible w/o lug conductor section mm mm2 0.75 max mm2 2.5 Flexible c/w lug conductor section mm2 1.5 Flexible c/w lug conductor section mm2 2.5 Flexible with insulated spade lug conductor section mm2 2.5 Flexible with insulated spade lug conductor section mm2 1.5 max mm2 2.5 1.5 Power terminal protection according to IEC/EN 60529 IP20 when properly wired IP20 when properly wired Mechanical features mormal allowable ± 30° ± 30° Fixing Screw / DIN rail 35mm Screw / DIN rail 35mm					
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Flexible w/o lug conductor section min mm² 0.75 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 2.5 Flexible with insulated spade lug conductor section min mm² 2.5 Power terminal protection according to IEC/EN 60529 IP20 when properly wired Mechanical features unormal allowable Vertical plan ±30° Fixing Screw / DIN rail 35mm Screw / DIN rail 35mm			max		12
min maxmm² mm²0.75 2.5Flexible c/w lug conductor sectionmin mm²mm² 2.5Flexible with insulated spade lug conductor sectionmin mm² 2.5mm² 2.5Flexible with insulated spade lug conductor sectionmin mm² 2.5mm² 2.5Power terminal protection according to IEC/EN 60529IP20 when properly wiredMechanical featuresIP20 when properly wiredOperating positionvertical plan ±30°FixingScrew / DIN rail 35mm		Flexible w/o lug conductor section			
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min mm² 1.5 max mm² 2.5 Flexible with insulated spade lug conductor section min mm² 1.5 max mm² 2.5 1.5 Power terminal protection according to IEC/EN 60529 IP20 when properly wired Mechanical features IP20 when properly wired Operating position normal allowable ±30° Fixing Screw / DIN rail 35mm			max	mm²	2.5
min mm² 1.5 max mm² 2.5 Flexible with insulated spade lug conductor section min mm² 1.5 max mm² 2.5 1.5 Power terminal protection according to IEC/EN 60529 IP20 when properly wired Mechanical features IP20 when properly wired Operating position normal allowable ±30° Fixing Screw / DIN rail 35mm		Flexible c/w lug conductor section			
Flexible with insulated spade lug conductor section min mm² 1.5 max mm² 2.5 Power terminal protection according to IEC/EN 60529 IP20 when properly wired Mechanical features Vertical plan ±30° Operating position ±30° Fixing Screw / DIN rail 35mm		, and the second s	min	mm²	1.5
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min mm² 1.5 max mm² 2.5 Power terminal protection according to IEC/EN 60529 IP20 when properly wired Mechanical features IP20 when properly wired Operating position Vertical plan ±30° Fixing Screw / DIN rail 35mm		Flexible with insulated spade lug conductor section			
Power terminal protection according to IEC/EN 60529 IP20 when properly wired Mechanical features IP20 when properly wired Operating position Normal allowable Vertical plan ±30° Fixing Screw / DIN rail 35mm			min	mm²	1.5
Power terminal protection according to IEC/EN 60529 properly wired Mechanical features Operating position Normal allowable ±30° Fixing Screw / DIN rail 35mm			max	mm²	2.5
Mechanical features property wired Operating position normal allowable Vertical plan ±30° Fixing Screw / DIN rail 35mm	Power terminal protoc	tion according to IEC/EN 60520			IP20 when
Operating position normal vertical plan allowable ±30° ±30° Fixing Screw / DIN rail 35mm		tion according to IEC/EN 00529			properly wired
normal allowable Vertical plan ±30° ±30° Fixing Screw / DIN rail 35mm					
allowable ±30° Fixing Screw / DIN rail 35mm	Operating position				
Fixing Screw / DIN rail 35mm					
Fixing 35mm			allowable		
35000	Fixing				
Weight g 222					
	Weight			g	222

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Conductor section

AWG/kcmil conductor section

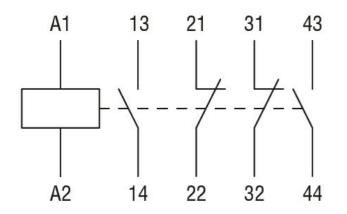
		couon	max		12
Auxiliary contact chara	cteristics				
Thermal current Ith				А	10
IEC/EN 60947-5-1 des	signation				A600 - Q600
Operating current AC1					
			230V	А	3
			400V	А	1.9
			500V	А	1.4
Operating current DC1	2				
1 0			110V	А	2.9
Operating current DC1	3				
	-		24V	А	2.9
			48V	A	1.4
			60V	A	1.2
			110V	A	0.6
			125V	A	0.55
			220V	A	0.3
			600V	A	0.1
Operations					
Mechanical life				cycles	20000000
Safety related data				0y0l03	20000000
-	0d according to EN/ISO 1	3489-1			
		0400 1	mechanical load	cycles	20000000
Mirror contate accordu	ng to IEC/EN 609474-4-1			Cycles	YES
EMC compatibility	IG 10 100/211 009474-4-1				
					yes
DC coil operating	A			V	48
DC rated control voltage	ge			V	48
				V	48
DC rated control voltage	ge pick-up		min		
DC rated control voltage			min	%Us	75
DC rated control voltage	pick-up		min max		
DC rated control voltage			max	%Us %Us	75 115
DC rated control voltage	pick-up		max min	%Us %Us %Us	75 115 10
DC rated control voltage DC operating voltage	pick-up drop-out		max	%Us %Us	75 115
DC rated control voltage	pick-up drop-out		max min max	%Us %Us %Us %Us	75 115 10 20
DC rated control voltage DC operating voltage	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us W	75 115 10 20 3.2
DC rated control voltage DC operating voltage	pick-up drop-out		max min max	%Us %Us %Us %Us	75 115 10 20
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	75 115 10 20 3.2 3.2
DC rated control voltag DC operating voltage Average coil consump Max cycles frequency Mechanical operation	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us W	75 115 10 20 3.2 3.2
DC rated control voltag 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	75 115 10 20 3.2 3.2
DC rated control voltag DC operating voltage Average coil consump Max cycles frequency Mechanical operation	pick-up drop-out tion ≤20°C		max min max in-rush	%Us %Us %Us %Us W W	75 115 10 20 3.2 3.2
DC rated control voltag 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	75 115 10 20 3.2 3.2
DC rated control voltag 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 V	75 115 10 20 3.2 3.2 3600
DC rated control voltag 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 min	%Us %Us %Us %Us W W vv cycles/h	75 115 10 20 3.2 3.2 3600
DC rated control voltag 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 holding	%Us %Us %Us %Us W W V	75 115 10 20 3.2 3.2 3600
DC rated control voltag DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Closing NO Opening NO	max min max in-rush holding min max	%Us %Us %Us W W V cycles/h	75 115 10 20 3.2 3.2 3600 12 21
DC rated control voltag 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 holding min max min	%Us %Us %Us %Us W W vv cycles/h	75 115 10 20 3.2 3.2 3600 12 21 9
DC rated control voltag 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 W W V cycles/h	75 115 10 20 3.2 3.2 3600 12 21
DC rated control voltag 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 holding min max min max	%Us %Us %Us W W Cycles/h	75 115 10 20 3.2 3.2 3600 12 21 9 18
DC rated control voltag 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 min	%Us %Us %Us %Us W W vv cycles/h	75 115 10 20 3.2 3.2 3600 12 21 9

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		Opening NC				
		Opening NO	min	ms	7	
			max	ms	17	
	in DC					
		Closing NO				
		g	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	А	10	
	iary 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 & Protecti	on					
Pollution degree					3	
Dimensions						
4.4 (1.73") (0.17") (0.17") (0.17") (0.31") (0.33") (0.33") (0.33") (0.33") (0.33")	34.9 (1.37")			⁵⁸ (2.28") 5	57 24") RF9 89.2 (3.51")	-7.6 (0.30")





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