



Product designation			Auxiliary contactor
Product type designation			BGF00
Contact characteristics			20.00
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Operational frequency			
-1 1	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		Α	10
Short-time allowable current for 10s (IEC/EN60947-1)		Α	0
Protection fuse			
	gG (IEC)	Α	16
Tightening torque for terminals	90 (1-0)		
gg to que to tommalo	min	Nm	0.8
	max	Nm	1
	min	lbin	9
	max	Ibin	9
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	lbin	9
	max	lbin	9
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	max		12
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 co	nductor section		
	min	mm²	1.5
	max	mm²	2.5
Power terminal protection according to IEC/EN 60529			IP20 when
<u> </u>			properly wired
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
Fixing			Screw / DIN rail 35mm
Weight		g	222

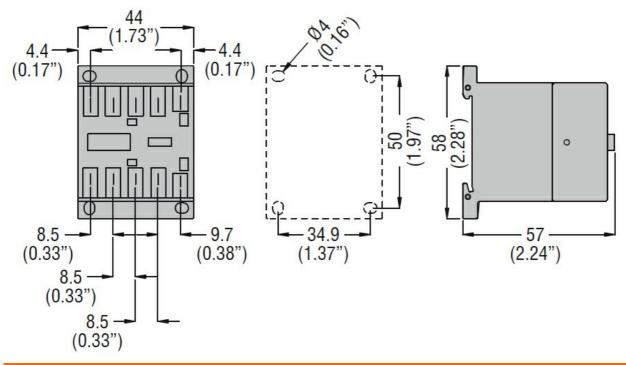


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Conductor section					
	AWG/kcmil conducto	or section			
A Management of the con-	at a distriction		max		12
Auxiliary contact chara Thermal current Ith	cteristics			Λ	10
IEC/EN 60947-5-1 des	signation			Α	A600 - Q600
Operating current AC1					A600 - Q600
Operating current ACT	5		230V	Α	3
			400V	A	1.9
			500V	A	1.4
Operating current DC1	2				
3			110V	Α	2.9
Operating current DC1	3				
			24V	Α	2.9
			48V	Α	1.4
			60V	Α	1.1
			125V	Α	0.3
			220V	Α	0.1
			600V	Α	0.6
Operations					
Mechanical life				cycles	20000000
Safety related data					
Performance level B10	Od according to EN/ISO	O 13489-1			
			mechanical load	cycles	20000000
Mirror contats according	ng to IEC/EN 609474-4	1-1			YES
EMC compatibility DC coil operating					yes
DU, coll operating					
	20			1/	60
DC rated control voltage	ge			V	60
	-			V	60
DC rated control voltage	ge pick-up		min		
DC rated control voltage	-		min max	%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			%Us	75
DC rated control voltage	pick-up drop-out		max min	%Us %Us %Us	75 115
DC rated control voltage DC operating voltage	pick-up drop-out		max min	%Us %Us %Us	75 115 10 25
DC rated control voltage DC operating voltage	pick-up drop-out		max min max	%Us %Us %Us %Us	75 115
DC rated control voltage DC operating voltage	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us W	75 115 10 25 3.2
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 W	75 115 10 25 3.2 3.2
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	75 115 10 25 3.2 3.2
DC rated control voltage 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 25 3.2 3.2
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	75 115 10 25 3.2 3.2
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	75 115 10 25 3.2 3.2 3600
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 cycles/h	75 115 10 25 3.2 3.2 3600
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 holding	%Us %Us %Us %Us W W	75 115 10 25 3.2 3.2 3600
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 Opening NO	min max in-rush holding min max	%Us %Us %Us %Us W W cycles/h	75 115 10 25 3.2 3.2 3600
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	·	min max in-rush holding min max min max	%Us %Us %Us %Us W W cycles/h	75 115 10 25 3.2 3.2 3600
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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 min max min max min max	%Us %Us %Us %Us W W cycles/h	75 115 10 25 3.2 3.2 3600 12 21 9 18
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	75 115 10 25 3.2 3.2 3600



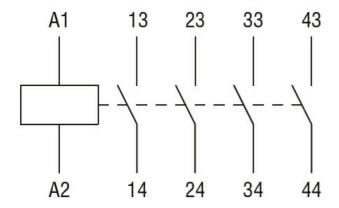
Max Max				min	ms	7
Closing NO				max	ms	17
Min		in DC				
Opening NO			Closing NO			
Opening NO				min	ms	18
Min				max	ms	25
Closing NC			Opening NO			
Closing NC				min	ms	
Min				max	ms	3
Max ms 5			Closing NC			
Opening NC				min	ms	
min ms ms 11 max ms 17 UL technical data Contact rating of auxiliary contacts according to UL A600 - Q600 Ambient conditions Temperature Temperature min °C -50 max °C +70 Storage temperature min °C -60 max °C +80 Max altitude m 3000 Resistance & Protection Pollution degree 3				max	ms	5
Max ms 17			Opening NC			
Contact rating of auxiliary contacts according to UL				min	ms	
Contact rating of auxiliary contacts according to UL A600 - Q600 Ambient conditions Temperature				max	ms	17
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						
Operating 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		ary contacts according to	UL			A600 - Q600
min min max °C -50 max -50 cc -70 Storage temperature min °C -60 max °C +80 Max altitude m 3000 Resistance & Protection Pollution degree 3		ary contacts according to	UL			A600 - Q600
max °C +70 Storage temperature min °C -60 max °C +80 Max altitude m 3000 Resistance & Protection 3 Pollution degree 3	Ambient conditions	ary contacts according to	UL			A600 - Q600
Storage temperature min °C -60 max °C +80 Max altitude m 3000 Resistance & Protection Second or se	Ambient conditions		UL			
min min max °C -60 max -60 max Max altitude m 3000 Resistance & Protection 3 Pollution degree 3	Ambient conditions		UL	min		-50
Max altitude m 3000 Resistance & Protection Pollution degree 3	Ambient conditions		UL			-50
Max altitude m 3000 Resistance & Protection Pollution degree 3	Ambient conditions	Operating temperature	UL		°C	-50
Resistance & Protection Pollution degree 3	Ambient conditions	Operating temperature	UL	max	°C	-50 +70
Pollution degree 3	Ambient conditions	Operating temperature	UL	max min	°C	-50 +70 -60
<u> </u>	Ambient conditions Temperature Max altitude	Operating temperature Storage temperature	UL	max min	°C °C °C	-50 +70 -60 +80
Dimensions	Ambient conditions Temperature Max altitude	Operating temperature Storage temperature	UL	max min	°C °C °C	-50 +70 -60 +80 3000
	Ambient conditions Temperature Max altitude Resistance & Protection Pollution degree	Operating temperature Storage temperature	UL	max min	°C °C °C	-50 +70 -60 +80 3000



Wiring diagrams



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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

CCC

cULus

EAC

ETIM classification

ETIM 8.0

EC000196 -Contactor relay