



Product designation				Auxiliary contactor
Product type designation	on			BGF00
Contact characteristics				
Number of poles			Nr.	4
Rated insulation voltag	e Ui IEC/EN		V	690
Rated impulse withstar			kV	6
Operational frequency				
		min	Hz	25
		max	Hz	400
IEC Conventional free	air thermal current Ith		Α	10
Short-time allowable co	urrent for 10s (IEC/EN60947-1)		Α	0
Protection fuse				
		gG (IEC)	Α	16
Tightening torque for te	erminals			
		min	Nm	0.8
		max	Nm	1
		min	lbin	9
		max	lbin	9
Tightening torque for co	oil terminal			
		min	Nm	0.8
		max	Nm	1
		min	lbin	9
		max	Ibin	9
	imultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			40
	Fig. 21. (a.l., a.u., b. day, a.u.)	max		12
	Flexible w/o lug conductor section			0.75
		min	mm² mm²	0.75 2.5
	Flexible c/w lug conductor section	max	111111	2.5
	Plexible C/W lug colludctor section	min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section	Παλ	111111	2.0
	Trexible with insulated space ray conductor section	min	mm²	1.5
		max	mm²	2.5
				IP20 when
Power terminal protect	ion according to IEC/EN 60529			properly wired
Mechanical features				
Operating position				
•		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight			g	225



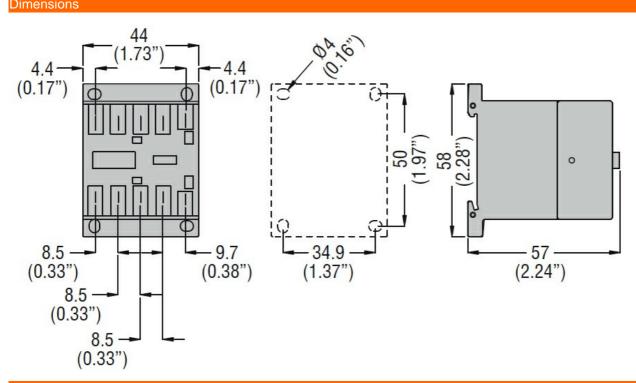
Conductor section					
	AWG/kcmil conductor	section			
A When a second a standard a second	And the Control		max		12
Auxiliary contact chara Thermal current Ith	cteristics			Λ	10
IEC/EN 60947-5-1 des	rianation			Α	A600 - Q600
Operating current AC1	-				A000 - Q000
Operating current AOT	0		230V	Α	3
			400V	A	1.9
			500V	A	1.4
Operating current DC1	2				
operating carrent 20.	_		110V	Α	2.9
Operating current DC1	3				
operating carrent 20.			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	13489-1			
			mechanical load	cycles	20000000
Mirror contats according	ng to IEC/EN 609474-4-	1			YES
EMC compatibility					yes
DO 11 11					
DC coil operating					
DC coil operating  DC rated control voltage	ge			V	110
	ge			V	110
DC rated control voltage	ge pick-up			V	110
DC rated control voltage			min	V %Us	110 75
DC rated control voltage			min max		
DC rated control voltage				%Us	75
DC rated control voltage	pick-up			%Us %Us %Us	75 115
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 25
DC rated control voltage DC operating voltage	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us	75 115 10 25 3.2
DC rated control voltage  DC operating voltage  Average coil consump	pick-up drop-out		max min max	%Us %Us %Us %Us	75 115 10 25
DC rated control voltage  DC operating voltage  Average coil consumption  Max cycles frequency	pick-up drop-out		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 consumpt  Max cycles frequency  Mechanical operation	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us	75 115 10 25 3.2 3.2
DC rated control voltage  DC operating voltage  Average coil consumpt  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 consumpt  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
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DC rated control voltage  DC operating voltage  Average coil consumpt  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
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DC rated control voltage  DC operating voltage  Average coil consumpt  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 max	%Us %Us %Us %Us W W cycles/h	75 115 10 25 3.2 3.2 3600





## CONTROL RELAY WITH DC COIL, 110VDC, 2NO AND 2NC, FASTON TERMINALS

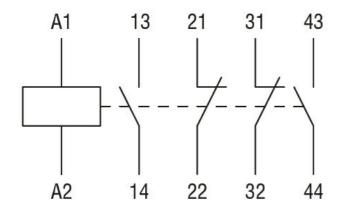
			min	ms	7
			max	ms	17
	in DC				
		Closing NO			
		_	min	ms	18
			max	ms	25
		Opening NO			
			min	ms	2
			max	ms	3
		Closing NC			
		, and the second	min	ms	3
			max	ms	5
		Opening NC			
		. 3	min	ms	11
			max	ms	17
UL technical data					
Contact rating of auxiliary contacts according to UL				A600 - Q600	
Ambient conditions					
Temperature					
•	Operating temperature	Э			
			min	°C	-50
			max	°C	+70
	Storage temperature				
	0 1		min	°C	-60
			max	°C	+80
Max altitude				m	3000
Resistance & Protecti	on				
Pollution degree					3



Wiring diagrams



**ENERGY AND AUTOMATION** 



## 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