



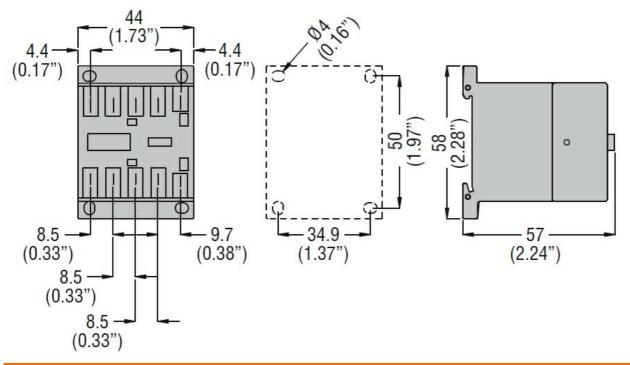
Product designation				Auxiliary
				contactor
Product type designat				BGF00
Contact characteristics	S			
Number of poles			Nr.	4
Rated insulation voltage Ui IEC/EN			V	690
Rated impulse withsta	nd voltage Uimp		kV	6
Operational frequency	,			
		min	Hz	25
		max	Hz	400
IEC Conventional free	air thermal current Ith		Α	10
Short-time allowable of	current for 10s (IEC/EN60947-1)		Α	0
Protection fuse				
		gG (IEC)	Α	16
Tightening torque for t	erminals	<u> </u>		
		min	Nm	0.8
		max	Nm	1
		min	Ibin	9
		max	lbin	9
Tightening torque for o	coil terminal			
0 0 1		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			
	The same of the sa	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	1.5
		max	mm²	2.5
				IP20 when
Power terminal protection according to IEC/EN 60529				properly wired
Mechanical features				
Operating position				
· •		normal		Vertical plan
		allowable		±30°
Etiation as				Screw / DIN rail
Fixing				35mm
Weight			g	225



AWG/kcmil conductor section    Max
Purple   Purple
Thermal current Ith
EC/EN 60947-5-1 designation
Operating current AC15         230V A 1.9 400V A 1.9 500V A 1.4           Operating current DC12         110V A 2.9           Operating current DC13         24V A 2.9 448V A 1.4 60V A 1.1 125V A 0.3 220V A 0.1 600V A 0.6           Operations         600V A 0.1 600V A 0.6           Operations         600V A 0.6           Mechanical life         cycles 20000000           Safety related data         yes           Performance level B10d according to EN/ISO 13489-1         YES           EMC compatibility         yes           DC coil operating         V 60           DC operating voltage         V 60           DC operating voltage         V 60           DC operating voltage         V 60           Average coil consumption ≤20°C         in-rush W 3.2 8 25           holding         W 3.2 8 25
230V
S00V   A   1.4
Operating current DC12           110V A 2.9           Operating current DC13           24V A 2.9           48V A 1.4           60V A 1.1           125V A 0.3           220V A 0.1           600V A 0.6           Operations           Mechanical life         cycles 20000000           Safety related data           Performance level B10d according to EN/ISO 13489-1         mechanical load cycles 20000000           Mirror contats according to IEC/EN 609474-4-1         yes           EMC compatibility         yes           DC related control voltage         V 60           DC related control voltage         V 60           DC operating voltage           pick-up         min         %Us 75           max %Us 75           max %Us 75           max %Us 115           drop-out           min  %Us 75           max %Us 25           Average coil consumption ≤20°C           in-rush W 3.2           holding W 3.2           holding W 3.2
110V
Operating current DC13         24V       A       2.9         48V       A       1.4         60V       A       1.1         125V       A       0.3         220V       A       0.1         600V       A       0.6         Operations         Mechanical life       cycles       20000000         Safety related data         Performance level B10d according to EN/ISO 13489-1       YES         EMC compatibility       yes         DC coil operating         DC rated control voltage       V       60         DC operating voltage         Pick-up       min       %Us       75         max       %Us       115         drop-out         min       %Us       10         min       %Us       15         Average coil consumption ≤20°C         in-rush       W       3.2         holding       W       3.2
24V
A8V
60V
125V A 0.3   220V A 0.1   600V A 0.6
220V A 0.1   600V A 0.6
Operations           Mechanical life         cycles         20000000           Safety related data           Performance level B10d according to EN/ISO 13489-1         mechanical load         cycles         20000000           Mirror contats according to IEC/EN 609474-4-1         YES         YES           EMC compatibility         yes         Yes           DC rated control voltage         V         60           DC operating voltage         min         %Us         75           DC operating voltage         min         %Us         115           drop-out         min         %Us         10           drop-out         min         %Us         25           Average coil consumption ≤20°C         in-rush         W         3.2           holding         W         3.2
Operations           Mechanical life         cycles         20000000           Safety related data           Performance level B10d according to EN/ISO 13489-1           mechanical load         cycles         20000000           Mirror contats according to IEC/EN 609474-4-1         YES           EMC compatibility         yes           DC roil operating           DC rated control voltage         V         60           DC operating voltage           min         %Us         75           max         %Us         115           drop-out         min         %Us         10           max         %Us         10           max         %Us         25           Average coil consumption ≤20°C           in-rush         W         3.2           holding         W         3.2           holding         W         3.2
Mechanical life         cycles         20000000           Safety related data           Performance level B10d according to EN/ISO 13489-1           mechanical load         cycles         20000000           Mirror contats according to IEC/EN 609474-4-1         YES           EMC compatibility         yes           DC rated control voltage         V         60           DC operating voltage         yis 60         DC operating voltage         yis 60         DC operating voltage         yis 60         DC operating voltage         yis 60         DC operating voltage         yis 60         DC operating voltage         yis 60         DC operating voltage         yis 60         DC operating voltage         yis 60         DC operating voltage         yis 60         DC operating voltage         yis 60         DC operating voltage         yis 60         DC operating voltage         yis 60         DC operating voltage         yis 60         yis 60         DC operating voltage         yis 60
Safety related data
Performance level B10d according to EN/ISO 13489-1           mechanical load         cycles         20000000           Mirror contats according to IEC/EN 609474-4-1         YES           EMC compatibility         yes           DC coil operating         V 60           DC rated control voltage         V 60           DC operating voltage         min %Us 75 max %Us 115           drop-out         min %Us 10 max %Us 25           Average coil consumption ≤20°C         in-rush W 3.2 holding W 3.2
Mirror contats according to IEC/EN 609474-4-1         mechanical load         cycles         20000000           EMC compatibility         yes           DC coil operating         V         60           DC operating voltage         min         %Us         75           pick-up         min         %Us         115           drop-out         min         %Us         10           max         %Us         25           Average coil consumption ≤20°C         in-rush was all only and the property of th
Mirror contats according to IEC/EN 609474-4-1  EMC compatibility  DC coil operating  DC rated control voltage  Pick-up  min %Us 75 max %Us 115  drop-out  min %Us 10 max %Us 25  Average coil consumption ≤20°C  in-rush W 3.2 holding W 3.2
EMC compatibility   yes
DC coil operating         DC rated control voltage       V       60         DC operating voltage       min       %Us       75         max       %Us       115         drop-out       min       %Us       10         max       %Us       25         Average coil consumption ≤20°C       in-rush       W       3.2         holding       W       3.2         holding       W       3.2
DC rated control voltage         DC operating voltage       min %Us 75 max %Us 115         drop-out       min %Us 10 max %Us 25         Average coil consumption ≤20°C       in-rush W 3.2 holding W 3.2
DC operating voltage    pick-up
pick-up  min %Us 75 max %Us 115  drop-out  min %Us 10 max %Us 25  Average coil consumption ≤20°C  in-rush W 3.2 holding W 3.2
min max     %Us 75 max       drop-out     min %Us 10 max       max     %Us 25       Average coil consumption ≤20°C     in-rush W 3.2 holding W 3.2
max       %Us       115         drop-out       min       %Us       10         max       %Us       25         Average coil consumption ≤20°C       in-rush       W       3.2         holding       W       3.2
drop-out  min %Us 10 max %Us 25  Average coil consumption ≤20°C  in-rush W 3.2 holding W 3.2
min %Us 10 max %Us 25  Average coil consumption ≤20°C in-rush W 3.2 holding W 3.2
max %Us 25  Average coil consumption ≤20°C  in-rush W 3.2 holding W 3.2
Average coil consumption ≤20°C in-rush W 3.2 holding W 3.2
in-rush W 3.2 holding W 3.2
holding W 3.2
•
Mechanical operation cycles/h 3600
Operating times
Average time for Us control
in AC
Closing NO
Closing NO min ms 12 max ms 21
Closing NO  min ms 12  max ms 21  Opening NO
Closing NO  min ms 12  max ms 21  Opening NO  min ms 9
Closing NO  min ms 12  max ms 21  Opening NO  min ms 9  max ms 18
Closing NO  min ms 12  max ms 21  Opening NO  min ms 9  max ms 18  Closing NC
Closing NO  min ms 12  max ms 21  Opening NO  min ms 9  max ms 18  Closing NC  min ms 17
Closing NO  min ms 12  max ms 21  Opening NO  min ms 9  max ms 18  Closing NC

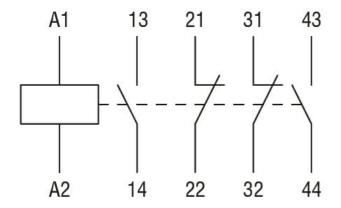


			min	ms	7
			max	ms	17
	in DC				
		Closing NO			
		-	min	ms	18
			max	ms	25
		Opening NO			
			min	ms	2
			max	ms	3
		Closing NC			
			min	ms	3
			max	ms	5
		Opening NC			
			min	ms	11
			max	ms	17
UL technical data					
Contact rating of auxiliary contacts according to UL				A600 - Q600	
Ambient conditions					
Temperature					
	Operating temperature	е			
			min	°C	-50
			max	°C	+70
	Storage temperature				
			min	°C	-60
			max	°C	+80
Max altitude				m	3000
Resistance & Protect	ion				
Pollution degree					3
Dimensions					



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

CCC

cULus

EAC

ETIM classification

ETIM 8.0

EC000196 -Contactor relay