



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			
	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	<u> </u>		
	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	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 conductor section			
	min	mm²	1.5
	max	mm²	2.5
Power terminal protection according to IEC/EN 60529			IP20 when properly wired
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
Eiving			Screw / DIN rail
Fixing			35mm
Weight		g	180



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Conductor section				
	AWG/kcmil conductor section			
		max		12
Auxiliary contact chara	cteristics			
Thermal current Ith			Α	10
IEC/EN 60947-5-1 des	signation			A600 - Q600
Operating current AC1	-			
. 0		230V	Α	3
		400V	Α	1.9
		500V	Α	1.4
Operating current DC1	2			
oporating carroin 201	_	110V	Α	2.9
Operating current DC1	3	1100		2.5
Operating current DO	3	24V	Α	2.9
		48V	A	1.4
		60V		
			A	1.1
		125V	A	0.3
		220V	A	0.1
		600V	Α	0.6
Operations				00000000
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
				yes
AC coil operating				yes
	0Hz		V	48
AC coil operating	0Hz		V	
AC coil operating Rated AC voltage at 60	OHz of 60Hz coil powered at 60Hz		V	
AC coil operating Rated AC voltage at 60			V	
AC coil operating Rated AC voltage at 60	of 60Hz coil powered at 60Hz	min	V %Us	
AC coil operating Rated AC voltage at 60	of 60Hz coil powered at 60Hz	min max	%Us	48
AC coil operating Rated AC voltage at 60	of 60Hz coil powered at 60Hz pick-up			75
AC coil operating Rated AC voltage at 60	of 60Hz coil powered at 60Hz	max	%Us %Us	75 115
AC coil operating Rated AC voltage at 60	of 60Hz coil powered at 60Hz pick-up		%Us	75
AC coil operating Rated AC voltage at 60 AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out	max min	%Us %Us %Us	75 115 20
AC coil operating Rated AC voltage at 60	of 60Hz coil powered at 60Hz pick-up drop-out	max min	%Us %Us %Us	75 115 20
AC coil operating Rated AC voltage at 60 AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out	max min max	%Us %Us %Us %Us	75 115 20 55
AC coil operating Rated AC voltage at 60 AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out	max min max in-rush	%Us %Us %Us %Us	75 115 20 55
AC coil operating Rated AC voltage at 60 AC operating voltage	of 60Hz coil powered at 60Hz pick-up  drop-out  Imption at 20°C of 50/60Hz coil powered at 50Hz	max min max	%Us %Us %Us %Us	75 115 20 55
AC coil operating Rated AC voltage at 60 AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out	max min max in-rush holding	%Us %Us %Us %Us VA	75 115 20 55
AC coil operating Rated AC voltage at 60 AC operating voltage	of 60Hz coil powered at 60Hz pick-up  drop-out  Imption at 20°C of 50/60Hz coil powered at 50Hz	max min max in-rush holding in-rush	%Us %Us %Us %Us VA	48 75 115 20 55 30 4
AC coil operating Rated AC voltage at 60 AC operating voltage	of 60Hz coil powered at 60Hz pick-up  drop-out  Imption at 20°C of 50/60Hz coil powered at 50Hz  of 50/60Hz coil powered at 60Hz	max min max in-rush holding	%Us %Us %Us %Us VA	75 115 20 55
AC coil operating Rated AC voltage at 60 AC operating voltage	of 60Hz coil powered at 60Hz pick-up  drop-out  Imption at 20°C of 50/60Hz coil powered at 50Hz	max min max in-rush holding in-rush holding	%Us %Us %Us %Us VA VA	75 115 20 55 30 4 25 3
AC coil operating Rated AC voltage at 60 AC operating voltage	of 60Hz coil powered at 60Hz pick-up  drop-out  Imption at 20°C of 50/60Hz coil powered at 50Hz  of 50/60Hz coil powered at 60Hz	max min max in-rush holding in-rush holding in-rush	%Us %Us %Us %Us VA VA VA	75 115 20 55 30 4 25 3
AC coil operating Rated AC voltage at 60 AC operating voltage  AC average coil consu	of 60Hz coil powered at 60Hz pick-up  drop-out  Imption at 20°C of 50/60Hz coil powered at 50Hz  of 50/60Hz coil powered at 60Hz  of 60Hz coil powered at 60Hz	max min max in-rush holding in-rush holding	%Us %Us %Us %Us VA VA VA	75 115 20 55 30 4 25 3 30 4
AC coil operating Rated AC voltage at 60 AC operating voltage  AC average coil consul  Dissipation at holding a	of 60Hz coil powered at 60Hz pick-up  drop-out  Imption at 20°C of 50/60Hz coil powered at 50Hz  of 50/60Hz coil powered at 60Hz  of 60Hz coil powered at 60Hz	max min max in-rush holding in-rush holding in-rush	%Us %Us %Us %Us VA VA VA	75 115 20 55 30 4 25 3
AC coil operating Rated AC voltage at 60 AC operating voltage  AC average coil consultation  Dissipation at holding:  Max cycles frequency	of 60Hz coil powered at 60Hz pick-up  drop-out  Imption at 20°C of 50/60Hz coil powered at 50Hz  of 50/60Hz coil powered at 60Hz  of 60Hz coil powered at 60Hz	max min max in-rush holding in-rush holding in-rush	%Us %Us %Us %Us VA VA VA VA	75 115 20 55 30 4 25 3 30 4 0.95
AC coil operating Rated AC voltage at 66 AC operating voltage  AC average coil consultation  Dissipation at holding:  Max cycles frequency  Mechanical operation	of 60Hz coil powered at 60Hz pick-up  drop-out  Imption at 20°C of 50/60Hz coil powered at 50Hz  of 50/60Hz coil powered at 60Hz  of 60Hz coil powered at 60Hz	max min max in-rush holding in-rush holding in-rush	%Us %Us %Us %Us VA VA VA	75 115 20 55 30 4 25 3 30 4 0.95
AC coil operating Rated AC voltage at 60 AC operating voltage  AC average coil consultation  Dissipation at holding: Max cycles frequency	of 60Hz coil powered at 60Hz pick-up  drop-out  Imption at 20°C of 50/60Hz coil powered at 50Hz  of 50/60Hz coil powered at 60Hz  of 60Hz coil powered at 60Hz	max min max in-rush holding in-rush holding in-rush	%Us %Us %Us %Us VA VA VA VA	75 115 20 55 30 4 25 3 30 4 0.95

Average time for Us control

in AC

Closing NO



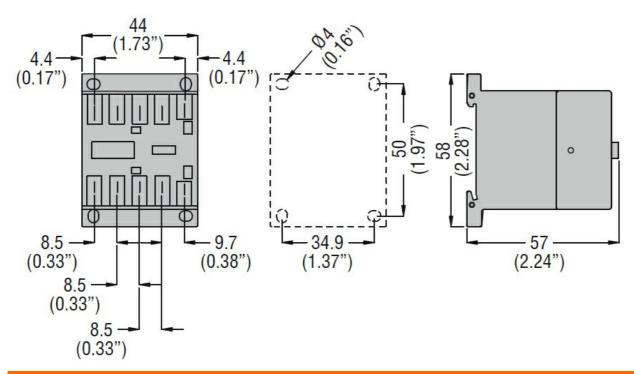


## CONTROL RELAY WITH AC COIL 60HZ, 48VAC, 4NO, FASTON TERMINALS

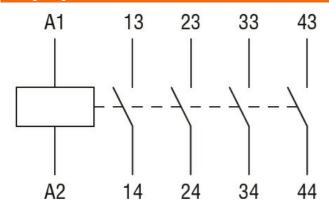
			min	ms	12
					21
		On aning NO	max	ms	21
		Opening NO			•
			min	ms	9
			max	ms	18
		Closing NC			
			min	ms	17
			max	ms	26
		Opening NC			
			min	ms	7
			max	ms	17
	in DC				
		Closing NO			
		J	min	ms	18
			max	ms	25
		Opening NO			
		Opening 110	min	ms	2
			max	ms	3
		Clasing NC	IIIax	1115	3
		Closing NC			0
			min	ms	3
		0 1 110	max	ms	5
		Opening NC			
			min	ms	11
			max	ms	17
UL technical data					
Contact rating of auxilia	ary contacts according to	UL			A600 - Q600
Ambient conditions					
Temperature					
•	Operating temperature				
	1 5 1		min	°C	-50
			max	°C	+70
	Storage temperature		max		
	Otorage temperature		min	°C	-60
				°C	+80
Maxaltituda			max		
Max altitude				m	3000
Resistance & Protectio	n _				
Pollution degree					3
Dimensions					



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## 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