



Product designation				Auxiliary
_				contactor
Product type designat				BGF00
Contact characteristics	S			
Number of poles			Nr.	4
Rated insulation voltage			V	690
Rated impulse withsta			kV	6
Operational frequency	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 t	erminals			
0 0 1		min	Nm	0.8
		max	Nm	1
		min	Ibin	9
		max	Ibin	9
Tightening torque for o	coil terminal			
		min	Nm	0.8
		max	Nm	1
		min	lbin	9
		max	Ibin	9
May number of wires	simultaneously connectable	max	Nr.	2
Conductor section	simultaneously connectable		INI.	
Conductor Section	AWG/Kcmil			
	AWG/KCIIII	may		12
	Clavible w/o live conductor costice	max		12
	Flexible w/o lug conductor section	min	m m 2	0.75
		min	mm²	0.75
	Florible about a conductor continu	max	mm²	2.5
	Flexible c/w lug conductor section		na :=- ?	4 E
		min	mm²	1.5
	Florible with involved and the Leavest Colors of	max	mm²	2.5
	Flexible with insulated spade lug conductor section			4.5
		min	mm²	1.5
		max	mm²	2.5
Power terminal protect	ction according to IEC/EN 60529			IP20 when
				properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight			g	180





## CONTROL RELAY WITH AC COIL 50/60HZ, 48VAC, 3NO AND 1NC, FASTON TERMINALS

Conductor section				
	AWG/kcmil conductor section			
A 19 and a second at the second	and the state of	max		12
Auxiliary contact chara	acteristics		۸	10
Thermal current lth IEC/EN 60947-5-1 de	oignation		A	10 A600 - Q600
Operating current AC				A600 - Q600
Operating current AC	15	230V	Α	3
		400V	A	1.9
		500V	A	1.4
Operating current DC	12			
3		110V	Α	2.9
Operating current DC	13	<del>-</del>		
1 0		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	0.1			
Performance level B1	0d according to EN/ISO 13489-1			0000000
Missas contata concessi	no to IFC/FN C00474 4 4	mechanical load	cycles	20000000
EMC compatibility	ng to IEC/EN 609474-4-1			YES
AC coil operating				yes
-	50/60Hz		V	48
Rated AC voltage at 5	50/60Hz		V	48
-			V	48
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz		V	48
Rated AC voltage at 5		min	V %Us	48 75
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz	min max		
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz		%Us	75
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up		%Us %Us %Us	75
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out	max	%Us %Us	75 115
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz	max min	%Us %Us %Us	75 115 20
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out	max min max	%Us %Us %Us %Us	75 115 20 55
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz	max min max min	%Us %Us %Us %Us	75 115 20 55
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up	max min max	%Us %Us %Us %Us	75 115 20 55
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz	max min max min max	%Us %Us %Us %Us %Us	75 115 20 55 80 115
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up	max min max min max min max min	%Us %Us %Us %Us %Us	75 115 20 55 80 115
Rated AC voltage at 5 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out	max min max min max	%Us %Us %Us %Us %Us	75 115 20 55 80 115
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out	max min max min max min max min	%Us %Us %Us %Us %Us	75 115 20 55 80 115
Rated AC voltage at 5 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out	max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55
Rated AC voltage at 5 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out	max min max min max min max in-rush	%Us %Us %Us %Us %Us	75 115 20 55 80 115
Rated AC voltage at 5 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out  umption at 20°C of 50/60Hz coil powered at 50Hz	max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55
Rated AC voltage at 5 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out	max min max min max min max in-rush	%Us %Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55
Rated AC voltage at 5 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out  umption at 20°C of 50/60Hz coil powered at 50Hz	max min max min max min max in-rush holding	%Us %Us %Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55
Rated AC voltage at 5 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out  umption at 20°C of 50/60Hz coil powered at 50Hz	max min max min max min max in-rush holding in-rush	%Us %Us %Us %Us %Us %Us %Us VA VA	75 115 20 55 80 115 20 55 30 4
Rated AC voltage at 5 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out  umption at 20°C of 50/60Hz coil powered at 50Hz  of 50/60Hz coil powered at 60Hz	max min max min max min max in-rush holding in-rush holding	%Us %Us %Us %Us %Us %Us VA VA VA	75 115 20 55 80 115 20 55 30 4 25 3
Rated AC voltage at 5 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out  umption at 20°C of 50/60Hz coil powered at 50Hz  of 50/60Hz coil powered at 60Hz	max min max min max min max in-rush holding in-rush holding	%Us %Us %Us %Us %Us %Us %Us VA VA	75 115 20 55 80 115 20 55 30 4

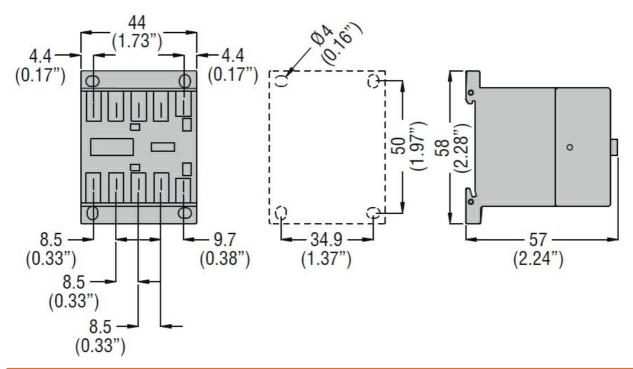




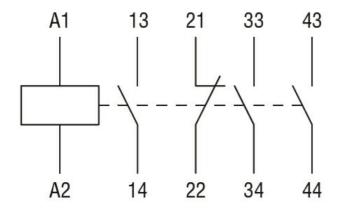
## CONTROL RELAY WITH AC COIL 50/60HZ, 48VAC, 3NO AND 1NC, FASTON TERMINALS

Dissipation at holding	≤20°C 50Hz			W	0.95
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us c	ontrol				
Avolago uno loi co o	in AC				
	III AO	Closing NO			
		Closing NO	min	ms	12
					21
		Opening NO	max	ms	21
		Opening NO	min	mc	9
			min	ms	
		Clasing NC	max	ms	18
		Closing NC			47
			min	ms	17
		0 : 110	max	ms	26
		Opening 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			
		1 5	min	ms	11
			max	ms	17
UL technical data					
	iary contacts according to	o UI			A600 - Q600
Ambient conditions	ary comacte according to	3 32			71000 4000
Temperature					
romporature	Operating temperature	2			
	Operating temperature	5	min	°C	-50
			min	°C	+70
	Charage to an area and		max	U	T10
	Storage temperature		•	۰.	00
			min	°C	-60
			max	°C	+80
Max altitude				m	3000
Resistance & Protecti	on				
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