



Product designation				Auxiliary
•				contactor
Product type designat				BGF00
Contact characteristic	S			
Number of poles			Nr.	4
Rated insulation voltage	ge Ui IEC/EN		V	690
Rated impulse withsta	nd voltage Uimp		kV	6
Operational frequency	1			
		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			
		min	Nm	0.8
		max	Nm	1
		min	Ibin	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			
	rioxidia wita lag contactor cocalen	min	mm²	0.75
		max	mm²	2.5
	Flexible c/w lug conductor section			
	. To the of the range of the control	min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section			
	The state of the s	min	mm²	1.5
		max	mm²	2.5
				IP20 when
Power terminal protect	tion according to IEC/EN 60529			properly wired
Mechanical features				
Operating position				
. 01		normal		Vertical plan
		allowable		±30°
				Screw / DIN rail
Fixing				35mm
Weight			g	178



CONTROL RELAY WITH AC COIL 50/60HZ, 24VAC, 2NO AND 2NC, 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			
- P		110V	Α	2.9
Operating current DC	13			
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 000474 4 4	mechanical load	cycles	20000000
EMC compatibility	ng to IEC/EN 609474-4-1			YES
AC coil operating				yes
-	50/60Hz		V	24
Rated AC voltage at 5	50/60Hz		V	24
-			V	24
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz		V	24
Rated AC voltage at 5		min	V %Us	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 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 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



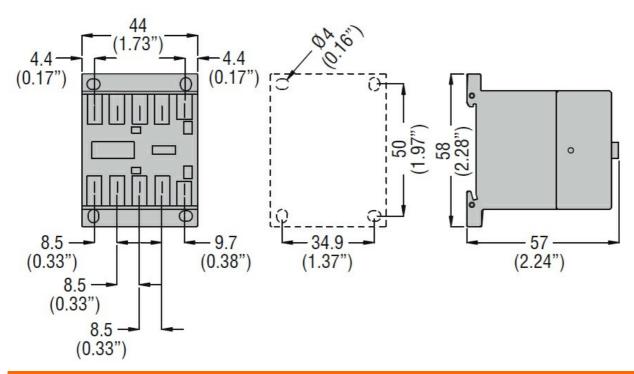


CONTROL RELAY WITH AC COIL 50/60HZ, 24VAC, 2NO AND 2NC, FASTON TERMINALS

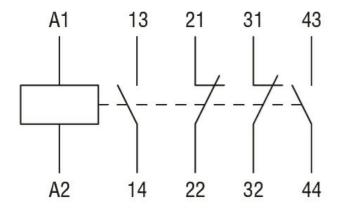
Max cycles frequency Cycles/h 3600 Operating times Average time for Us control min ms 12 In AC min ms 21 Opening NO min ms 9 max ms 18 Closing NC min ms 17 max ms 26 Opening NC min ms 17 In DC min ms 17 Closing NO min ms 18 Max ms 25 0 Opening NO min ms 2 max ms 3 2 Closing NC min ms 3 Closing NC min ms 18 Max ms 3 3 Closing NC min ms 3 Opening NC min ms 3 UL technical data min ms 17 Contactor AC current A 10 Contact rating of auxiliary contacts according to UL AC current A 10 Ambient conditions min cc	Dissipation at holding	≤20°C 50Hz			W	0.95
Closing NO	Max cycles frequency					
Average time for Us control in AC Closing NO min ms 12 max ms 21 Opening NO min ms 9 max ms 18 Closing NC min ms 18 Closing NC min ms 17 max ms 26 Opening NC min ms 7, max ms 17 max ms 17 max ms 26 Opening NC min ms 17 max ms 26 Opening NC min ms 18 max ms 25 Opening NO min ms 18 max ms 25 Opening NO min ms 18 max ms 25 Opening NO min ms 3 Closing NC min ms 3 The max ms 3 Closing NC min ms 3 The max ms 3 Closing NC min ms 3 The max ms 17 UL technical data Contact rating of auxiliary contacts according to UL Ambient conditions Temperature Operating temperature min "C -50 max "C +70 Storage temperature min "C -60 max "C -60 max "C -80 ma	Mechanical operation				cycles/h	3600
in AC Closing NO	Operating times					
Closing NO	Average time for Us of	ontrol				
Min		in AC				
Max			Closing NO			
Opening NO				min	ms	
Min				max	ms	21
Closing NC			Opening NO			
Closing NC				min	ms	
Opening NC				max	ms	18
Max			Closing NC			
Opening NC				min	ms	
Min				max	ms	26
Closing NO			Opening NC			
Closing NO				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	2
Min				max	ms	3
Opening NC			Closing NC			
Opening NC				min	ms	3
Min max ms 11 max ms 17				max	ms	5
max ms 17 UL technical data General USE Contactor AC current A 10 Contact rating of auxiliary contacts according to UL A600 - Q600 Ambient conditions Temperature min °C -50 max °C +70 Storage temperature min °C -60 max °C +80 Max altitude m 3000 Resistance & Protection Pollution degree 3			Opening NC			
Contactor				min	ms	11
Contactor				max	ms	17
Contactor AC current A 10 Contact rating of auxiliary contacts according to UL A600 - Q600 Ambient conditions Temperature Min °C -50 max °C +70 Storage temperature Max altitude m 3000 Resistance & Protection Pollution degree 3	UL technical data					
AC current	General USE					
Contact rating of auxiliary contacts according to UL A600 - Q600 Ambient conditions Temperature Min °C -50 max °C +70 Storage temperature min °C -60 max °C +80 Max altitude Resistance & Protection Pollution degree		Contactor				
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 901 Pollution degree 3				AC current	Α	10
Operating temperature		iary contacts according to	UL			A600 - Q600
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	Ambient conditions					
min max °C +70 Storage temperature min °C +60 max °C +80 Max altitude m 3000 Resistance & Protection 900 Pollution degree 3	Temperature					
max °C +70 Storage temperature min °C -60 max °C +80 Max altitude m 3000 Resistance & Protection Pollution degree 3		Operating temperature				
Storage temperature min or company **C or **+80 Max altitude m or 3000 Resistance & Protection Pollution degree 3				min		-50
min max °C max -60 cm Max altitude m 3000 Resistance & Protection Pollution degree 3				max	°C	+70
Max altitudemax°C+80Resistance & Protectionm3000Pollution degree3		Storage temperature				
Max altitude m 3000 Resistance & Protection Pollution degree 3				min		-60
Resistance & Protection Pollution degree 3				max	°C	+80
Pollution degree 3	Max altitude				m	3000
	Resistance & Protecti	on				
	Pollution degree					3



ENERGY AND AUTOMATION



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