





Product designation				Auxiliary contactor
Product type designati	on			BGF00
Contact characteristics				
Number of poles			Nr.	4
Rated insulation voltage	je 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 c	urrent for 10s (IEC/EN60947-1)		Α	0
Protection fuse	,			
		gG (IEC)	Α	16
Tightening torque for to	erminals	<u> </u>		_
0 0 1		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 s	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 protect	tion 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	184





CONTROL RELAY WITH AC COIL 50/60HZ, 400VAC, 2NO AND 2NC, FASTON TERMINALS

Conductor section				
	AWG/kcmil conductor section			
Auviliant contact chara	otoriotico	max		12
Auxiliary contact chara Thermal current Ith	ctensucs		Α	10
IEC/EN 60947-5-1 des	signation			A600 - Q600
Operating current AC1	<u> </u>			7.000 000
3		230V	Α	3
		400V	Α	1.9
		500V	Α	1.4
Operating current DC1	2			
-		110V	Α	2.9
Operating current DC1	3		_	
		24V	A	2.9
		48V 60V	A	1.4
		125V	A A	1.1 0.3
		220V	A	0.3
		600V	A	0.6
Operations				
Mechanical life			cycles	20000000
Safety related data				
Performance level B10	0d according to EN/ISO 13489-1			
		mechanical load	cycles	20000000
-	ng to IEC/EN 609474-4-1			YES
EMC compatibility				yes
AC coil operating				
	0/60H7		\/	400
Rated AC voltage at 50	0/60Hz		V	400
			V	400
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz		V	400
Rated AC voltage at 50		min	V %Us	75
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz	min max		
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz		%Us	75
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up		%Us %Us %Us	75 115 20
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up drop-out	max	%Us %Us	75 115
Rated AC voltage at 50	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 50	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 50	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 50	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 50	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 50	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	max min max min	%Us %Us %Us %Us	75 115 20 55
Rated AC voltage at 50	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	%Us %Us %Us %Us %Us	75 115 20 55 80 115
Rated AC voltage at 50 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	%Us %Us %Us %Us %Us	75 115 20 55 80 115
Rated AC voltage at 50 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	75 115 20 55 80 115 20 55
Rated AC voltage at 50 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	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 50 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 holding	%Us %Us %Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55
Rated AC voltage at 50 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	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 50 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 mption 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	%Us %Us %Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55
Rated AC voltage at 50 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	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
Rated AC voltage at 50 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 mption 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	%Us %Us %Us %Us %Us %Us %Us VA VA	75 115 20 55 80 115 20 55 30 4

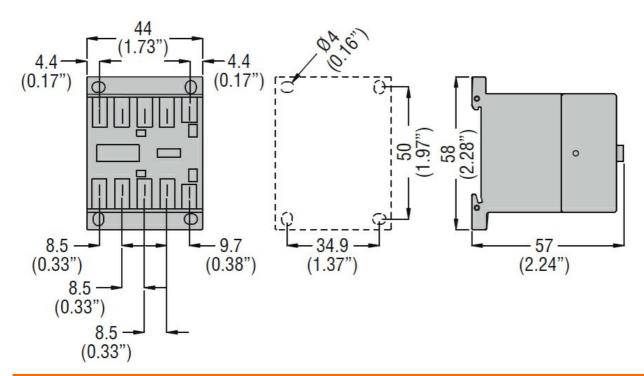




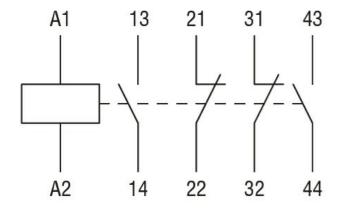
CONTROL RELAY WITH AC COIL 50/60HZ, 400VAC, 2NO AND 2NC, FASTON TERMINALS

Max cycles frequency	Dissipation at holding s	20°C 50Hz			W	0.95
Mechanical operation		\$20 G 30HZ			VV	0.93
Closing NO					cvcles/h	3600
Average time for Us control in AC Closing NO					57 1.2 2, 1.1	
in AC Closing NO min ms 12 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 26 Opening NC min ms 77 max ms 17 in DC Closing NO min ms 17 max ms 25 Opening NO 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 Ray ms 3 Closing NC min ms 3 max ms 3 Closing NC min ms 11 max ms 5 Opening 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 Amblent conditions Temperature Operating temperature Operating temperature Max altitude min °C -50 max °C +70 Storage temperature min °C -60 max °C -60 max °C +80 Max altitude min °C -60 max °C -60		ntrol				
Max	· ·					
Opening NO			Closing NO			
Opening NO				min	ms	12
Closing NC				max	ms	21
Closing NC			Opening NO			
Closing NC				min	ms	
Opening NC				max	ms	18
Opening NC			Closing NC			
Opening NC						
Min			0 1 10	max	ms	26
Name			Opening NC			_
In DC						
Closing NO		. 50		max	ms	1/
Min		in DC	01 : 10			
Opening NO			Closing NO			40
Opening NO						
Min			On sain a NO	max	ms	25
Closing NC			Opening NO			0
Closing NC						
Min			Closing NC	ттах	ms	3
Opening NC max ms 5 min ms 11 min ms 17 UL technical data 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			Closing NC	min	me	2
Opening NC						
min ms 11 max ms 17			Opening NC	IIIax	1115	5
Max altitude			Opening NC	min	me	11
Contact rating of auxiliary contacts according to UL						
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	UL technical data			max	1113	· ·
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						A600 - Q600
Operating temperature						
Operating temperature min °C -50 max °C +70 Storage temperature min °C -60 max °C +80 Max altitude m 3000 Resistance & Protection Total color Total color						
min min max °C -50 max -50 cc Storage temperature min °C -60 max °C +80 Max altitude m 3000 Resistance & Protection m 3000	F	Operating temperature				
max °C +70 Storage temperature min °C -60 max °C +80 Max altitude m 3000 Resistance & Protection a 3000		- p		min	°C	-50
Storage temperature min °C -60 max °C +80 Max altitude m 3000 Resistance & Protection Total Control						
min °C -60 max °C +80 Max altitude m 3000 Resistance & Protection Total Control Cont		Storage temperature				
Max altitude m 3000 Resistance & Protection		G		min	°C	-60
Max altitude m 3000 Resistance & Protection						
Resistance & Protection	Max altitude					
		n				
						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