





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	<b>3</b> ( )		_
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	180





CONTROL RELAY WITH AC COIL 50/60HZ, 400VAC, 3NO AND 1NC, FASTON TERMINALS

Conductor section				
AWO	G/kcmil conductor section			
Auviliant contact characterist	ilea	max		12
Auxiliary contact characterist Thermal current Ith	lics		Α	10
IEC/EN 60947-5-1 designati	ion			A600 - Q600
Operating current AC15	OII			A000 Q000
oporating derion 7.010		230V	Α	3
		400V	A	1.9
		500V	Α	1.4
Operating current DC12				
		110V	Α	2.9
Operating current DC13				
		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				00000000
Mechanical life			cycles	20000000
Safety related data	oording to EN/ISO 12490 1			
Performance level B10d acc	cording to EN/15O 13489-1	machanical land	ovoloo	2000000
Mirror contate according to I	EC/EN 600474 4 4	mechanical load	cycles	20000000 YES
Mirror contats according to I EMC compatibility	EC/EN 609474-4-1			
AC coil operating				yes
-	Z		V	400
Rated AC voltage at 50/60H	z		V	400
Rated AC voltage at 50/60H AC operating voltage			V	400
Rated AC voltage at 50/60H AC operating voltage	0/60Hz coil powered at 50Hz		V	400
Rated AC voltage at 50/60H AC operating voltage		min	V %Us	400 75
Rated AC voltage at 50/60H AC operating voltage	0/60Hz coil powered at 50Hz	min max		
Rated AC voltage at 50/60H AC operating voltage	0/60Hz coil powered at 50Hz		%Us	75
Rated AC voltage at 50/60H AC operating voltage	0/60Hz coil powered at 50Hz pick-up		%Us	75
Rated AC voltage at 50/60H. AC operating voltage  of 56	0/60Hz coil powered at 50Hz pick-up drop-out	max	%Us %Us	75 115
Rated AC voltage at 50/60H. AC operating voltage  of 56	0/60Hz coil powered at 50Hz pick-up drop-out 0/60Hz coil powered at 60Hz	max min	%Us %Us %Us	75 115 20
Rated AC voltage at 50/60H. AC operating voltage  of 56	0/60Hz coil powered at 50Hz pick-up drop-out	max min max	%Us %Us %Us %Us	75 115 20 55
Rated AC voltage at 50/60H. AC operating voltage  of 56	0/60Hz coil powered at 50Hz pick-up drop-out 0/60Hz coil powered at 60Hz	max min max min	%Us %Us %Us %Us	75 115 20 55
Rated AC voltage at 50/60H. AC operating voltage  of 56	0/60Hz coil powered at 50Hz pick-up drop-out 0/60Hz coil powered at 60Hz pick-up	max min max	%Us %Us %Us %Us	75 115 20 55
Rated AC voltage at 50/60H. AC operating voltage  of 56	0/60Hz coil powered at 50Hz pick-up drop-out 0/60Hz coil powered at 60Hz	max min max min max	%Us %Us %Us %Us %Us	75 115 20 55 80 115
Rated AC voltage at 50/60H. AC operating voltage  of 56	0/60Hz coil powered at 50Hz pick-up drop-out 0/60Hz coil powered at 60Hz pick-up	max min max min max min max	%Us %Us %Us %Us %Us	75 115 20 55 80 115
Rated AC voltage at 50/60H AC operating voltage  of 50  of 50	0/60Hz coil powered at 50Hz pick-up drop-out 0/60Hz 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 50/60H AC operating voltage  of 50  of 50  AC average coil consumption	0/60Hz coil powered at 50Hz pick-up drop-out 0/60Hz 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 50/60H AC operating voltage  of 50  of 50  AC average coil consumption	0/60Hz coil powered at 50Hz pick-up drop-out 0/60Hz coil powered at 60Hz pick-up 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 50/60H AC operating voltage  of 50  of 50  AC average coil consumption	0/60Hz coil powered at 50Hz pick-up drop-out 0/60Hz 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 50/60H AC operating voltage  of 50  of 50  AC average coil consumption of 50	0/60Hz coil powered at 50Hz pick-up  drop-out  0/60Hz coil powered at 60Hz pick-up  drop-out  n at 20°C 0/60Hz coil powered at 50Hz	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 50/60H AC operating voltage  of 50  of 50  AC average coil consumption of 50	0/60Hz coil powered at 50Hz pick-up drop-out 0/60Hz 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 50/60H AC operating voltage  of 50  of 50  AC average coil consumption of 50	0/60Hz coil powered at 50Hz pick-up  drop-out  0/60Hz coil powered at 60Hz pick-up  drop-out  n at 20°C 0/60Hz 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 50/60H AC operating voltage of 56  of 56  AC average coil consumption of 56	0/60Hz coil powered at 50Hz pick-up  drop-out  0/60Hz coil powered at 60Hz pick-up  drop-out  n at 20°C 0/60Hz coil powered at 50Hz  0/60Hz 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 50/60H AC operating voltage of 56  of 56  AC average coil consumption of 56	0/60Hz coil powered at 50Hz pick-up  drop-out  0/60Hz coil powered at 60Hz pick-up  drop-out  n at 20°C 0/60Hz coil powered at 50Hz	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 50/60H AC operating voltage of 56  of 56  AC average coil consumption of 56	0/60Hz coil powered at 50Hz pick-up  drop-out  0/60Hz coil powered at 60Hz pick-up  drop-out  n at 20°C 0/60Hz coil powered at 50Hz  0/60Hz 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

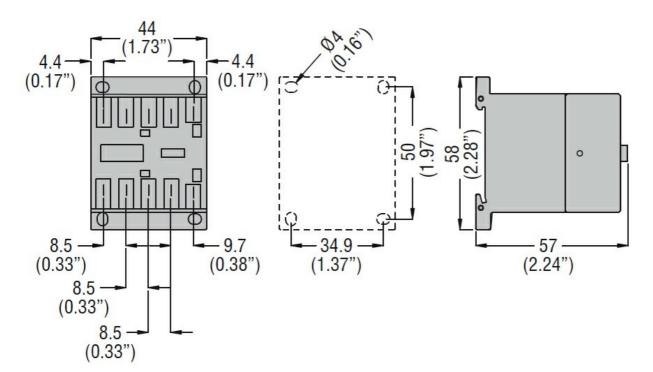




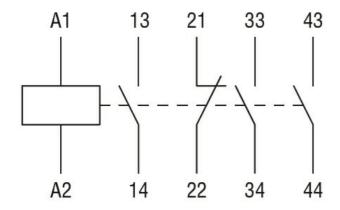
CONTROL RELAY WITH AC COIL 50/60HZ, 400VAC, 3NO AND 1NC, FASTON TERMINALS

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						
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 +80 max altitude  min °C -60 max °C +80 max orc +80  Max altitude  min °C -60 max °C		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 anima 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