



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 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	Ibin	9
Tightening torque for o	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			
	3	min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section			
	1	min	mm²	1.5
		max	mm²	2.5
				IP20 when
Power terminal protection according to IEC/EN 60529				properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing:				Screw / DIN rail
Fixing				35mm
Weight			g	178



ENERGY AND AUTOMATION

CONTROL RELAY WITH AC COIL 50/60HZ, 48VAC, 2NO AND 2NC, FASTON TERMINALS

Conductor section				
	AWG/kcmil conductor section			
Auviliant contact chara	otovictico	max		12
Auxiliary contact chara Thermal current Ith	ctensucs		Α	10
IEC/EN 60947-5-1 des	signation			A600 - Q600
Operating current AC1	-			71000 0000
operating carrent it.		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	A	1.4
		60V	A	1.1
		125V 220V	A A	0.3 0.1
		600V	A	0.6
Operations			, ,	J. C
Mechanical life			cycles	20000000
Safety related data				
Performance level B10	Od according to EN/ISO 13489-1			
		mechanical load	cycles	20000000
-	ng to IEC/EN 609474-4-1			YES
EMC compatibility				yes
AC: COIL OPERATING				
AC coil operating	0/60H - 7		V	18
Rated AC voltage at 50	0/60Hz		V	48
			V	48
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz		V	48
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 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 drop-out	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	%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 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 amption 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 amption 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



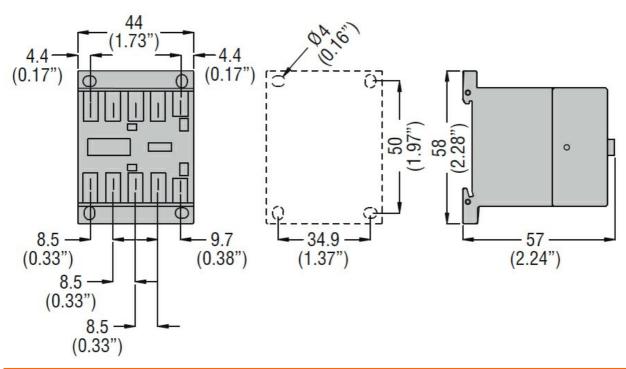


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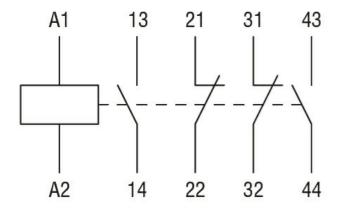
Dissipation at holding	≤20°C 50Hz			W	0.95
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us of					
	in AC	Olaska NO			
		Closing NO			40
			min	ms	12
		Onanina NO	max	ms	21
		Opening NO	min	ma	9
			min	ms	18
		Closing NC	max	ms	10
		Closing NC	min	me	17
				ms	26
		Opening NC	max	ms	20
		Opening NC	min	me	7
				ms	
	:- DC		max	ms	17
	in DC	Closing NO			
		Closing NO			4.0
			min	ms	18
		On anima NO	max	ms	25
		Opening NO			0
			min	ms	2
		Olasia a NO	max	ms	3
		Closing NC			0
			min	ms	3
		On an in a NO	max	ms	5
		Opening NC	•.		4.4
			min	ms	11
THE COURT OF STREET			max	ms	17
UL technical data					
General USE					
	Contactor			_	
			AC current	Α	10
	ary contacts according to	UL			A600 - Q600
Ambient conditions					
Temperature					
	Operating temperature	!		0.5	
			min	°C	-50
			max	°C	+70
	Storage temperature			0.5	
			min	°C	-60
			max	°C	+80
Max altitude				m	3000
Resistance & Protection	on				
B 11 (* 1					3
Pollution degree Dimensions					3







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