



Product designation				Auxiliary
•				contactor
Product type designat				BGF00
Contact characteristic	S			
Number of poles			Nr.	4
Rated insulation voltage		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 w/a lag comadetal accidin	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 protection 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 60HZ, 48VAC, 2NO AND 2NC, FASTON TERMINALS

Conductor section				
	AWG/kcmil conductor section			
Auviliant contact chara	estaviation	max		12
Auxiliary contact chara Thermal current Ith	ICIETISTICS		Α	10
IEC/EN 60947-5-1 des	signation			A600 - Q600
Operating current AC1				71000 0000
operating current 7.0		230V	Α	3
		400V	Α	1.9
		500V	Α	1.4
Operating current DC1	2			
		110V	Α	2.9
Operating current DC1	13			
		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				
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	01 1-		W	
AC coil operating Rated AC voltage at 6	0Hz		V	48
AC coil operating			V	
AC coil operating Rated AC voltage at 6	of 60Hz coil powered at 60Hz		V	
AC coil operating Rated AC voltage at 6		min		48
AC coil operating Rated AC voltage at 6	of 60Hz coil powered at 60Hz	min max	%Us	48 75
AC coil operating Rated AC voltage at 6	of 60Hz coil powered at 60Hz pick-up	min max		48
AC coil operating Rated AC voltage at 6	of 60Hz coil powered at 60Hz	max	%Us %Us	48 75 115
AC coil operating Rated AC voltage at 6	of 60Hz coil powered at 60Hz pick-up	max min	%Us %Us %Us	48 75
AC coil operating Rated AC voltage at 6 AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out	max	%Us %Us	75 115 20
AC coil operating Rated AC voltage at 6	of 60Hz coil powered at 60Hz pick-up drop-out	max min	%Us %Us %Us	75 115 20
AC coil operating Rated AC voltage at 6 AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out umption at 20°C	max min	%Us %Us %Us	75 115 20
AC coil operating Rated AC voltage at 6 AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out umption at 20°C	max min max	%Us %Us %Us %Us	75 115 20 55
AC coil operating Rated AC voltage at 6 AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out umption at 20°C	max min max in-rush	%Us %Us %Us %Us	48 75 115 20 55
AC coil operating Rated AC voltage at 6 AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out umption at 20°C of 50/60Hz coil powered at 50Hz	max min max in-rush	%Us %Us %Us %Us	48 75 115 20 55
AC coil operating Rated AC voltage at 6 AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out Imption at 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz	max min max in-rush holding	%Us %Us %Us %Us VA	48 75 115 20 55 30 4
AC coil operating Rated AC voltage at 6 AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out umption at 20°C of 50/60Hz coil powered at 50Hz	max min max in-rush holding in-rush holding	%Us %Us %Us %Us VA VA	48 75 115 20 55 30 4 25 3
AC coil operating Rated AC voltage at 6 AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out Imption at 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz	max min max in-rush holding in-rush holding in-rush	%Us %Us %Us %Us VA VA VA	48 75 115 20 55 30 4 25 3 30
AC coil operating Rated AC voltage at 6 AC operating voltage AC average coil consu	of 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 of 60Hz coil powered at 60Hz	max min max in-rush holding in-rush holding	%Us %Us %Us %Us VA VA VA	48 75 115 20 55 30 4 25 3 30 4
AC coil operating Rated AC voltage at 6 AC operating voltage AC average coil consultation Dissipation at holding	of 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 of 60Hz coil powered at 60Hz	max min max in-rush holding in-rush holding in-rush	%Us %Us %Us %Us VA VA VA	48 75 115 20 55 30 4 25 3 30
AC coil operating Rated AC voltage at 66 AC operating voltage AC average coil consultation Dissipation at holding and max cycles frequency	of 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 of 60Hz coil powered at 60Hz	max min max in-rush holding in-rush holding in-rush	%Us %Us %Us %Us VA VA VA VA	48 75 115 20 55 30 4 25 3 30 4 0.95
AC coil operating Rated AC voltage at 6 AC operating voltage AC average coil consultation Dissipation at holding Max cycles frequency Mechanical operation	of 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 of 60Hz coil powered at 60Hz	max min max in-rush holding in-rush holding in-rush	%Us %Us %Us %Us VA VA VA	48 75 115 20 55 30 4 25 3 30 4 0.95
AC coil operating Rated AC voltage at 66 AC operating voltage AC average coil consultation Dissipation at holding and max cycles frequency	of 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 of 60Hz coil powered at 60Hz ≤20°C 50Hz	max min max in-rush holding in-rush holding in-rush	%Us %Us %Us %Us VA VA VA VA	48 75 115 20 55 30 4 25 3 30 4 0.95

Closing NO

in AC

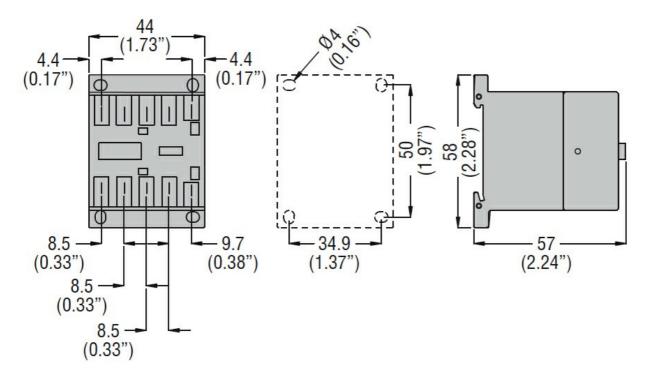




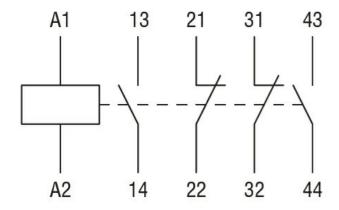
CONTROL RELAY WITH AC COIL 60HZ, 48VAC, 2NO AND 2NC, FASTON TERMINALS

			min	mc	12
				ms	
		0 1 NO	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	17
	in DC				
	2 0	Closing NO			
		Clocking 110	min	ms	18
			max	ms	25
		Opening NO	IIIax	1115	23
		Opening NO			0
			min	ms	2
			max	ms	3
		Closing NC			
			min	ms	3
			max	ms	5
		Opening NC			
			min	ms	11
			max	ms	17
UL technical data					
General USE					
	Contactor				
			AC current	Α	10
Contact rating of auxilia	ary contacts according to	LII	7 to carron		A600 - Q600
Ambient conditions	ary cornacts according to	OL .			71000 0000
Temperature	0 " '				
	Operating temperature			0.0	
			min	°C	-50
			max	°C	+70
	Storage temperature				
			min	°C	-60
			max	°C	+80
Max altitude				m	3000
Resistance & Protection	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