



Draduat designation				Auxiliary
Product designation				contactor
Product type designat	tion			BG00
Contact characteristic	S			
Number of poles			Nr.	4
Rated insulation volta	ge Ui IEC/EN		V	690
Rated impulse withsta	and voltage Uimp		kV	6
Operational frequency	/			
		min	Hz	25
		max	Hz	400
IEC Conventional free	e air thermal current Ith		А	10
Protection fuse				
		gG (IEC)	А	16
Tightening torque for	terminals			
		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	Ibin	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			
		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 protec	ction according to IEC/EN 60529			IP20 when
-				properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rai 35mm
Weight			g	217
5			5	



Conductor section

AWG/kcmil conductor section

			max		12
Auxiliary contact chara	cteristics				
Thermal current Ith				А	10
IEC/EN 60947-5-1 des	ignation				A600 - Q600
Operating current AC1	-				
			230V	А	3
			400V	А	1.9
			500V	А	1.4
Operating current DC1	2				
			110V	А	2.9
Operating current DC1	3				
			24V	А	2.9
			48V	А	1.4
			60V	А	1.2
			110V	А	0.6
			125V	А	0.55
			220V	А	0.3
			600V	А	0.1
Operations					
Mechanical life				cycles	20000000
Safety related data					
Performance level B10	d according to EN/ISO 13489-1				
	-	m	echanical load	cycles	20000000
Mirror contats accordir	ng to IEC/EN 609474-4-1				YES
EMC compatibility	0				yes
					,
DC coil operating					
DC coil operating DC rated control voltage	le			V	12
	le			V	12
DC rated control voltage				V	12
DC rated control voltage	je pick-up		min	V %Us	<u>12</u> 75
DC rated control voltage			min max		
DC rated control voltage				%Us	75
DC rated control voltage	pick-up			%Us	75
DC rated control voltage	pick-up		max	%Us %Us	75 115
DC rated control voltage	pick-up drop-out		max min	%Us %Us %Us	75 115 10
DC rated control voltag	pick-up drop-out		max min	%Us %Us %Us	75 115 10
DC rated control voltag	pick-up drop-out		max min max	%Us %Us %Us %Us	75 115 10 20
DC rated control voltag	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us W	75 115 10 20 3.2
DC rated control voltag DC operating voltage	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us W	75 115 10 20 3.2 3.2
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C		max min max in-rush	%Us %Us %Us %Us W W	75 115 10 20 3.2 3.2
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation	pick-up drop-out tion ≤20°C		max min max in-rush	%Us %Us %Us %Us W W	75 115 10 20 3.2 3.2
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C		max min max in-rush	%Us %Us %Us %Us W W	75 115 10 20 3.2 3.2
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	NO	max min max in-rush	%Us %Us %Us %Us W W	75 115 10 20 3.2 3.2
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C introl in AC	NO	max min max in-rush	%Us %Us %Us %Us W W	75 115 10 20 3.2 3.2 3600
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C ontrol in AC Closing		max min max in-rush holding	%Us %Us %Us %Us W W	75 115 10 20 3.2 3.2 3600
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C introl in AC		max min max in-rush holding min	%Us %Us %Us %Us W W vv cycles/h	75 115 10 20 3.2 3.2 3600 12 21
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C ontrol in AC Closing		max min max in-rush holding min	%Us %Us %Us %Us W W vv cycles/h	75 115 10 20 3.2 3.2 3600
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C ontrol in AC Closing Openin	g NO	max min max in-rush holding min max	%Us %Us %Us W W W Cycles/h	75 115 10 20 3.2 3.2 3600 12 21
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C ontrol in AC Closing	g NO	max min max in-rush holding min max min	%Us %Us %Us W W W Cycles/h	75 115 10 20 3.2 3.2 3600 12 21 9 18
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C ontrol in AC Closing Openin	g NO	max min max in-rush holding min max min	%Us %Us %Us W W W Cycles/h	75 115 10 20 3.2 3.2 3600 12 21 9

11BG0031D012 The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



		Opening NC			
		oponing i to	min	ms	7
			max	ms	17
	in DC		IIIdA	1113	17
	III DC				
		Closing NO			4.0
			min	ms	18
		- · · · ·	max	ms	25
		Opening NO			_
			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				
	Contactor		AC current	А	10
Contact rating of auvil	iary contacts according to	510	Ao culterit	Λ	A600 - Q600
Ambient conditions	lary contacts according it	JOL			A600 - Q600
Temperature					
· •···p •··ata. •					
	Operating temperature	9			
	Operating temperature	9	min	°C	-50
	Operating temperature)	min max	℃ ℃	-50 +70
	Operating temperature Storage temperature	9			
		9			
		3	max	°C	+70
Max altitude		•	max min	2° 2° 2°	+70 -60 +80
Max altitude	Storage temperature	3	max min	⊃° ⊃°	+70
Max altitude Resistance & Protecti	Storage temperature	•	max min	2° 2° 2°	+70 -60 +80 3000
Max altitude Resistance & Protect Pollution degree	Storage temperature	;	max min max	2° 2° 2°	+70 -60 +80
Max altitude Resistance & Protecti Pollution degree Dimensions	Storage temperature	3	max min max	2° 2° 2°	+70 -60 +80 3000
Max altitude Resistance & Protecti Pollution degree Dimensions	Storage temperature	3	max min max	°C °C m	+70 -60 +80 3000 3
Max altitude Resistance & Protecti Pollution degree Dimensions	Storage temperature	3	max min max	°C °C m	+70 -60 +80 3000
Max altitude Resistance & Protecti Pollution degree Dimensions 44 $(0.17^{"})$	Storage temperature	, ,	max min max	°C °C °C m	+70 -60 +80 3000 3
Max altitude Resistance & Protecti Pollution degree Dimensions	Storage temperature		max min max	°C °C °C m	+70 -60 +80 3000 3
Max altitude Resistance & Protecti Pollution degree Dimensions (4.4 (0.17") (0.17") (0.17")	Storage temperature		max min max	°C °C m	+70 -60 +80 3000 3
Max altitude Resistance & Protect Pollution degree Dimensions 4.4 (0.17") ************************************	Storage temperature		max min max	⁵⁸ (228 ^m) (228 ^m) (228 ^m) (200) (20)	+70 -60 +80 3000 3
Max altitude Resistance & Protecti Pollution degree Dimensions 44 (0.17") ************************************	Storage temperature		max min max	⁵⁸ (228 ^m) (228 ^m) (228 ^m) (200) (20)	+70 -60 +80 3000 3 57 .24")
Max altitude Resistance & Protecti Pollution degree Dimensions 4.4 (0.17") ************************************	Storage temperature		max min max	⁵⁸ (228 ^m) (228 ^m) (228 ^m) (200) (20)	+70 -60 +80 3000 3

_____44 ____ (1.73")

8.5 (0.33 Wiring diagrams - 7.6 (0.30")

89.2 -(3.51")



11BG0031D012 CONTROL RELAY WITH DC COIL, 12VDC, 3NO AND 1NC

21 33 13 43 A1 _ _ A2 22 34 14 44

Certifications and co	mpliance	
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		
	cULus	
	EAC	
ETIM classification		
ETIM 8.0		EC000196 -
		Contactor roles

Contactor relay