



Product designation				Auxiliary
Product type designat	ion			contactor BG00
Contact characteristic				DOOD
Number of poles			Nr.	4
Rated insulation voltage	ae Ui IEC/EN		V	690
Rated impulse withsta			kV	6
Operational frequency				
		min	Hz	25
		max	Hz	400
IEC Conventional free	air thermal current Ith		А	10
Protection fuse				
		gG (IEC)	А	16
Tightening torque for t	terminals			
		min	Nm	0.8
		max	Nm	1
		min	lbin	9
		max	lbin	9
Tightening torque for a	coil terminal			
		min	Nm	0.8
		max	Nm	1
		min	lbin	9
		max	lbin	9
	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		2	4 5
		min	mm²	1.5
		max	mm²	2.5 IP20 when
Power terminal protect	ction according to IEC/EN 60529			properly wired
Mechanical features				property when
Operating position				
		normal		Vertical plan
		allowable		±30°
				Screw / DIN rail
Fixing				35mm
Weight			g	217
0			3	



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	5			
		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			
		mechanical load	cycles	2000000
Mirror contats accordin	ng to IEC/EN 609474-4-1			YES
EMC compatibility				yes
DO and an endland				
DC coil operating				
DC coll operating DC rated control voltag	le		V	12
	je		V	12
DC rated control voltage	je pick-up		V	12
DC rated control voltage		min	V %Us	75
DC rated control voltage		min max		
DC rated control voltage			%Us	75
DC rated control voltage	pick-up		%Us %Us %Us	75 115 10
DC rated control voltage	pick-up	max	%Us %Us	75 115
DC rated control voltage	pick-up drop-out	maxmin	%Us %Us %Us	75 115 10
DC rated control voltag DC operating voltage	pick-up drop-out	maxmin	%Us %Us %Us	75 115 10
DC rated control voltag DC operating voltage	pick-up drop-out	max min max	%Us %Us %Us %Us	75 115 10 20
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
DC rated control voltag DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation	pick-up drop-out	max min max in-rush	%Us %Us %Us %Us W	75 115 10 20 3.2 3.2 3.2
DC rated control voltag DC operating voltage Average coil consumpt 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 3.2
DC rated control voltag DC operating voltage Average coil consumpt 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 3.2
DC rated control voltag DC operating voltage Average coil consumpt 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 3.2
DC rated control voltag DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	max min max in-rush holding	%Us %Us %Us %Us W W	75 115 10 20 3.2 3.2 3600
DC rated control voltag DC operating voltage Average coil consumpt 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 3600
DC rated control voltag DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C ontrol in AC Closing NO	max min max in-rush holding	%Us %Us %Us %Us W W	75 115 10 20 3.2 3.2 3600
DC rated control voltag DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	max min max in-rush holding min max	%Us %Us %Us %Us W W Cycles/h	75 115 10 20 3.2 3.2 3600 12 21
DC rated control voltag DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C ontrol in AC Closing NO	max min max in-rush holding min max min	%Us %Us %Us %Us W W Cycles/h	75 115 10 20 3.2 3.2 3600 12 21 9
DC rated control voltag DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C ontrol in AC Closing NO Opening NO	max min max in-rush holding min max	%Us %Us %Us W W V cycles/h	75 115 10 20 3.2 3.2 3600 12 21
DC rated control voltag DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C ontrol in AC Closing NO	max min max in-rush holding min max min max	%Us %Us %Us W W V cycles/h ms ms	75 115 10 20 3.2 3.2 3600 12 21 9 18
DC rated control voltag DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C ontrol in AC Closing NO Opening NO	max min max in-rush holding min max min	%Us %Us %Us W W V cycles/h ms ms	75 115 10 20 3.2 3.2 3600 12 21 9

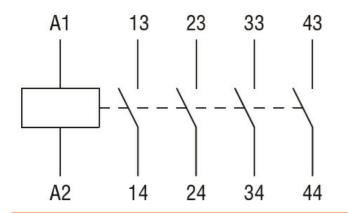
11BG0040D012 The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



11BG0040D012 CONTROL RELAY WITH DC COIL, 12VDC, 4NO

		Opening NC			
		opolingito	min	ms	7
			max	ms	17
	in DC				
		Closing NO			
		Ū.	min	ms	18
			max	ms	25
		Opening NC)		
			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	A	10
	ary contacts according to	UL			A600 - Q600
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	on				
Pollution degree					3
Dimensions					
4.4 (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.17") (0.38") (0.38")	57 (2.24") (1.61) (1.61) (1.61)			58 (2.28") 5e	57 2.24")
(0.33") (0.33") Wiring diagrams	- 34.9 - (1.37")		(1.37") (0. (1.37") (0.	.2	RF9





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		
	cULus	
	EAC	
ETIM classificatio	n	
ETIM 8.0		EC000196 -

Contactor relay