



Product designation			Auxiliary contactor
Product type designation			BG00
Contact characteristics			
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		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 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	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			
	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 protection according to IEC/EN 60529			IP20 when
			properly wired
Mechanical features			
Operating position	normal		Vortical plan
	normal		Vertical plan ±30°
	allowable		±30 <sup>°</sup> Screw / DIN rail
Fixing			35mm
Weight		g	220

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11BG0040D024 CONTROL RELAY WITH DC COIL, 24VDC, 4NO

Thermal current Ith				А	10
IEC/EN 60947-5-1 des	-				A600 - Q600
Operating current AC1	5				
			230V	А	3
			400V	А	1.9
			500V	А	1.4
Operating current DC1	12				
			110V	A	2.9
Operating current DC1	13				
			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	2000000
Safety related data					
Performance level B1	0d according to E	N/ISO 13489-1			
			mechanical load	cycles	20000000
EMC compatibility					yes
DC coil operating					
DC rated control voltage	ge			V	24
DC operating voltage					
	pick-up				
			min	%Us	75
			max	%Us	115
	drop-out				
	-		min	%Us	10
			max	%Us	20
Average coil consump	tion ≤20°C				
			in-rush	W	3.2
			holding	W	3.2
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us co	ontrol				
-	in AC				
		Closing NO			
		v	min	ms	12
			max	ms	21
		Opening NO			
		. 🦉	min	ms	9
			max	ms	18
		Closing NC			
		č	min	ms	17
			max	ms	26
		Opening NC			
		1 3 -	min	ms	7
	in DC		max	ms	17
	in DC	Closina NO			
	in DC	Closing NO			

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	Opening NO	max	ms	25	
		min	ms	2	
	Closing NC	max	ms	3	
		min	ms	3	
		max	ms	5	
	Opening NC	max	me	C	
	1 0	min	ms	11	
		max	ms	17	
UL technical data					
Rated operational voltage AC (UL)			V	600	
General USE					
Contactor		10		10	
Contact rating of a william contacts according to	. 1 II	AC current	A	10	<u> </u>
Contact rating of auxiliary contacts according to Ambient conditions	UL			A600 - Q600	J
Temperature					
Operating temperature					
		min	°C	-50	
		max	°Č	+70	
Storage temperature					
		min	°C	-60	
		max	°C	+80	
Max altitude			m	3000	
Resistance & Protection				-	
Pollution degree Dimensions				3	
$\begin{array}{c} 4.4 \\ (0.17") \\ \textcircled{0} \\ (0.17") \\ \textcircled{0} \\ \textcircled{0} \\ (0.33") \\ (0.33") \\ (0.33") \\ (0.33") \\ (0.33") \\ (0.33") \\ (0.33") \\ (0.33") \\ (0.33") \\ (0.38") \\ (1.37") \\ (1.37") \\ \end{array}$		44 (1.73") ● ● ● ● ● ● • ● ● ● ● ● • ● ● ● ● ● • ● ● ● ● ● ● • 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	58 (2.28") 50	57 24") RF9 89.2 (3.51")	7.6 (0.30")
A1 13 23 33	43				
	43				
$\begin{array}{c c} & & & \\ & & \\ & & \\ & & \\ & & \\ & \\ A2 \end{array} \begin{array}{c} \\ 14 \end{array} \begin{array}{c} 24 \end{array} \begin{array}{c} 34 \end{array}$	44				
A2 14 24 34 Certifications and compliance Compliance	44				

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	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		
		EC000196 -

ETIM 8.0

EC000196 Contactor relay