



Product designation				Auxiliary
Product designation				contactor
Product type designat				BG00
Contact characteristic	S			·
Number of poles			Nr.	4
Rated insulation voltage	-		V	690
Rated impulse withsta			kV	6
Operational frequency	ý.			
		min	Hz	25
		max	Hz	400
	e air thermal current Ith		A	10
Protection fuse				
		gG (IEC)	A	16
Tightening torque for t	terminals			
		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
	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		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm

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Conductor section

AWG/kcmil conductor section

	max		12
Auxiliary contact characteristics			
Thermal current Ith		А	10
IEC/EN 60947-5-1 designation			A600 - Q600
Operating current AC15			
	230V	А	3
	400V	А	1.9
	500V	А	1.4
Operating current DC12			
	110V	А	2.9
Operating current DC13			
	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 B10d according to EN/ISO 13489-1			
-	mechanical load	cycles	20000000
Mirror contats according to IEC/EN 609474-4-1			YES
			yes
ENC compatibility			yuu
EMC compatibility DC coil operating			yes
		V	48
DC coil operating		V	
DC coil operating DC rated control voltage DC operating voltage		V	
DC coil operating DC rated control voltage	min	V %Us	
DC coil operating DC rated control voltage DC operating voltage	min max		48
DC coil operating DC rated control voltage DC operating voltage		%Us	48
DC coil operating DC rated control voltage DC operating voltage pick-up		%Us	48
DC coil operating DC rated control voltage DC operating voltage pick-up	max	%Us %Us	48 75 115
DC coil operating DC rated control voltage DC operating voltage pick-up	maxmin	%Us %Us %Us	48 75 115 10
DC coil operating DC rated control voltage DC operating voltage pick-up drop-out	maxmin	%Us %Us %Us	48 75 115 10
DC coil operating DC rated control voltage DC operating voltage pick-up drop-out	max min max	%Us %Us %Us %Us	48 75 115 10 20
DC coil operating DC rated control voltage DC operating voltage pick-up drop-out	max min max in-rush	%Us %Us %Us %Us W	48 75 115 10 20 2.3
DC coil operating DC rated control voltage DC operating voltage pick-up drop-out Average coil consumption ≤20°C	max min max in-rush	%Us %Us %Us %Us W	48 75 115 10 20 2.3 2.3
DC coil operating         DC rated control voltage         DC operating voltage         pick-up         drop-out    Average coil consumption ≤20°C Max cycles frequency	max min max in-rush	%Us %Us %Us %Us W W	48 75 115 10 20 2.3 2.3
DC coil operating         DC rated control voltage         DC operating voltage         pick-up         drop-out         Average coil consumption ≤20°C         Max cycles frequency         Mechanical operation	max min max in-rush	%Us %Us %Us %Us W W	48 75 115 10 20 2.3 2.3
DC coil operating         DC rated control voltage         DC operating voltage         pick-up         drop-out         Average coil consumption ≤20°C         Max cycles frequency         Mechanical operation         Operating times	max min max in-rush	%Us %Us %Us %Us W W	48 75 115 10 20 2.3 2.3
DC coil operating         DC rated control voltage         DC operating voltage         pick-up         drop-out         Average coil consumption ≤20°C         Max cycles frequency         Mechanical operation         Operating times         Average time for Us control	max min max in-rush	%Us %Us %Us %Us W W	48 75 115 10 20 2.3 2.3
DC coil operating         DC rated control voltage         DC operating voltage         pick-up         drop-out         Average coil consumption ≤20°C         Max cycles frequency         Mechanical operation         Operating times         Average time for Us control         in AC	max min max in-rush	%Us %Us %Us %Us W W	48 75 115 10 20 2.3 2.3
DC coil operating         DC rated control voltage         DC operating voltage         pick-up         drop-out         Average coil consumption ≤20°C         Max cycles frequency         Mechanical operation         Operating times         Average time for Us control         in AC	max min max in-rush holding	%Us %Us %Us %Us W W	48 75 115 10 20 2.3 2.3 3600
DC coil operating         DC rated control voltage         DC operating voltage         pick-up         drop-out         Average coil consumption ≤20°C         Max cycles frequency         Mechanical operation         Operating times         Average time for Us control         in AC	max min max in-rush holding min	%Us %Us %Us W W W cycles/h	48 75 115 10 20 2.3 2.3 3600 12
DC coil operating         DC rated control voltage         DC operating voltage         pick-up         drop-out         Average coil consumption ≤20°C         Max cycles frequency         Mechanical operation         Operating times         Average time for Us control in AC         Closing NO	max min max in-rush holding min	%Us %Us %Us W W W cycles/h	48 75 115 10 20 2.3 2.3 3600 12
DC coil operating         DC rated control voltage         DC operating voltage         pick-up         drop-out         Average coil consumption ≤20°C         Max cycles frequency         Mechanical operation         Operating times         Average time for Us control         in AC         Closing NO	max min max in-rush holding min max	%Us %Us %Us W W W Cycles/h	48 75 115 10 20 2.3 2.3 3600 12 21
DC coil operating         DC rated control voltage         DC operating voltage         pick-up         drop-out         Average coil consumption ≤20°C         Max cycles frequency         Mechanical operation         Operating times         Average time for Us control in AC         Closing NO	max min max in-rush holding min max min	%Us %Us %Us W W V cycles/h ms ms	48 75 115 10 20 2.3 2.3 3600 12 21 9
DC coil operating         DC rated control voltage         DC operating voltage         pick-up         drop-out         Average coil consumption ≤20°C         Max cycles frequency         Mechanical operation         Operating times         Average time for Us control 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	48 75 115 10 20 2.3 2.3 3600 12 21 9

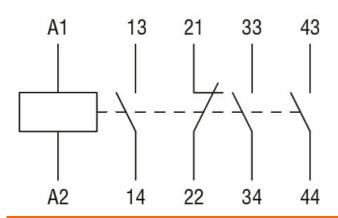
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11BG0031L048 CONTROL RELAY WITH DC COIL LOW CONSUMPTION, 48VDC, 3NO AND 1NC

		Opening NC			
		Opening NO	, min	ms	7
			max		17
	in DC				
	-	Closing NO			
		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		11
LIL to all all all late			max	ms	17
UL technical data					
General USE	0				
	Contactor		AC current	٨	10
Contact rating of auxili	ary contacts according to	. 1 11	AC culteri	A	A600 - Q600
Ambient conditions	lary contacts according to	) OL			A000 - Q000
Temperature					
remperature	Operating temperature				
	operating temperature		min	°C	-50
			max		+70
	Storage temperature				
	g		min	°C	-60
			max		+80
Max altitude				m	3000
Resistance & Protection	on				
Pollution degree					3
Dimensions					
$\begin{array}{c} 44 \\ 4.4 \\ (1.73") \\ (0.17") \\ \textcircled{0} \\ \end{array}{}$	34.9 (1.37")			22 89 9.2 12")	57 .24") RF9 9 9 





## 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