



Product designation				Auxiliary contactor
Product type designat	ion			BG00
Contact characteristic				
Number of poles			Nr.	4
Rated insulation voltage	ge Ui IEC/EN		V	690
Rated impulse withsta	nd 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 t	erminals			
		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	· · ·		4 5
		min	mm²	1.5
		max	mm²	2.5
Power terminal protect	tion according to IEC/EN 60529			IP20 when properly wired
Mechanical features				property writed
Operating position				
		normal		Vertical plan
		allowable		±30°
				Screw / DIN rail
Fixing				35mm
Weight			g	179
			Э	



Conductor section

AWG/kcmil conductor section

		max		12
Auxiliary contact chara	acteristics			
Thermal current Ith			А	10
IEC/EN 60947-5-1 de	signation			A600 - Q600
Operating current AC	15			
		230V	А	3
		400V	А	1.9
		500V	Α	1.4
Operating current DC	12			
		110V	Α	2.9
Operating current DC	13			
		24V	A	2.9
		48V	A	1.4
		60V	А	1.2
		110V	A	0.6
		125V	A	0.55
		220V	A	0.3
Oporationa		600V	A	0.1
Operations Mechanical life			ovelee	20000000
Safety related data			cycles	2000000
	0d according to EN/ISO 13489-1			
renomiance level bi	ou according to EN/ISO 15489-1	mechanical load	cycles	2000000
Mirror contate accordi	ng to IEC/EN 609474-4-1	THECHAINCAI IUAU	Cycles	YES
EMC compatibility	ng to iec/en 009474-4-1			
				yes
AC coll operating				
AC coil operating Rated AC voltage at 5	50/60Hz		V	110
Rated AC voltage at 5	i0/60Hz		V	110
			V	110
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz		V	110
Rated AC voltage at 5		min	V %Us	75
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz	min max		
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz		%Us	75
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up		%Us	75
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up	max	%Us %Us	75 115
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up	max	%Us %Us %Us	75 115 20
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out	max	%Us %Us %Us %Us	75 115 20 55
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	max	%Us %Us %Us %Us	75 115 20 55 80
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	max min max	%Us %Us %Us %Us	75 115 20 55
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	max min max min max	%Us %Us %Us %Us %Us	75 115 20 55 80 115
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	max min max min max min	%Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20
Rated AC voltage at 5 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min max	%Us %Us %Us %Us %Us	75 115 20 55 80 115
Rated AC voltage at 5	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min max min	%Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20
Rated AC voltage at 5 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55
Rated AC voltage at 5 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min max min max	%Us %Us %Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55 30
Rated AC voltage at 5 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out umption at 20°C of 50/60Hz coil powered at 50Hz	max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55
Rated AC voltage at 5 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min max min max in-rush holding	%Us %Us %Us %Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55 30 4
Rated AC voltage at 5 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out umption at 20°C of 50/60Hz coil powered at 50Hz	max min max min max min max in-rush holding in-rush	%Us %Us %Us %Us %Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55 30 4 25
Rated AC voltage at 5 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz 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	max min max min max min max in-rush holding	%Us %Us %Us %Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55 30 4
Rated AC voltage at 5 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out umption at 20°C of 50/60Hz coil powered at 50Hz	max min max min max min max in-rush holding in-rush	%Us %Us %Us %Us %Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55 30 4 25



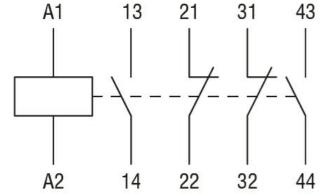
11BG0022A110 CONTROL RELAY WITH AC COIL 50/60HZ, 110VAC, 2NO AND 2NC

Average time for Us control in AC Closing NO Min ms 12 max ms 21 Opening NO Min ms 9 max ms 18 Closing NC Min ms 7 max ms 26 Opening NC Min ms 7 max ms 17 max ms 17 max ms 17 max ms 17 max ms 26 Opening NO Min ms 18 max ms 25 Opening NO Min ms 2 Min ms 3 max ms 25 Opening NO Min ms 3 Min ms 3 Min ms 3 Min ms 11 max ms 12 Min ms 3 Min ms 11 max ms 11 max ms 11 max ms 11 max ms 11 max ms 12 Min ms 11 max ms 11 max ms 12 Min ms 12				holding	VA	4
Mechanical operation cycles/h 3600 Operating times	Dissipation at holding	ng ≤20°C 50Hz			W	0.95
Operating times Average time for Us control in AC Closing NO min ms 12 Copening NO min ms 9 max ms 18 Closing NC min ms 17 max ms 17 Opening NC min ms 7 max ms 17 in DC Closing NC min ms 17 max ms 18 Opening NC min ms 17 max ms 18 In DC Closing NO min ms 18 max ms 18 Opening NO min ms 18 max ms 25 Opening NO min ms 3 10 10 10 Closing NC max ms 3 17 11 max ms 17 Opening NC min ms 11 max 16 17 Opening NC min	Max cycles frequen	су				
Average time for Us control in AC Closing NO Min ms 12 max ms 21 Opening NO Min ms 9 max ms 18 Closing NC Min ms 7 max ms 26 Opening NC Min ms 7 max ms 17 max ms 17 max ms 17 max ms 17 max ms 26 Opening NO Min ms 18 max ms 25 Opening NO Min ms 2 Min ms 3 max ms 25 Opening NO Min ms 3 Min ms 3 Min ms 3 Min ms 11 max ms 12 Min ms 3 Min ms 11 max ms 11 max ms 11 max ms 11 max ms 11 max ms 12 Min ms 11 max ms 11 max ms 12 Min ms 12		on			cycles/h	3600
in AC Closing NO min ms 12 Opening NO min ms 9 max ms 9 max ms 9 max ms 9 max ms 9 Closing NC min ms 26 Opening NC min ms 7 in DC Closing NO min ms 7 in DC Closing NO min ms 18 Opening NO min ms 12 1 in DC Closing NO min ms 25 Opening NO min ms 25 Opening NO min ms 3 Closing NC min ms 3 Opening NC min ms 3 Opening NC min ms 11 max min ms 12 Opening NC min ms 12	Operating times					
Image: Second	Average time for Us	s control				
$\begin{tabular}{l l l l l l l l l l l l l l l l l l l $		in AC				
Appending NO min ms 21 Opening NO min ms 9 max ms 18 Closing NC min ms 17 max ms 7 max ms 26 Opening NC min ms 7 max ms 17 in DC Closing NO min ms 12 17 Opening NO min ms 25 17 18 16			Closing NO			
Arr opening NO min ms 9 max ms 18 Closing NC max ms 17 max ms 26 Opening NC max ms 7 max ms 18 max ms 25 Opening NO min ms 3 max ms 5 3 Closing NC max ms 11 max ms 17 17 Utechnical data ms 13 11 General USE Contactor ACourrent A 10 <td< td=""><td></td><td></td><td></td><td>min</td><td>ms</td><td></td></td<>				min	ms	
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Image: Product of the second secon			Opening NO			
Closing NC min ms 17 max ms 7 max ms 17 max ms 18 max ms 25 Opening NO max ms 25 Opening NO max ms 3 Closing NC max ms 3 Max ms 11 max ms 11 max ms 11 max ms 11 Max ms 12 max ms 11 Max ms 10 max ms 11 Max ms 10 max ms 12 Contactor A 10 max max 12 Contact rating of auxi				min	ms	
$\begin{tabular}{l l l l l l l l l l l l l l l l l l l $				max	ms	18
$\begin{tabular}{l l l l l l l l l l l l l l l l l l l $			Closing NC			
Opening NC min ms 7 in DC Closing NO min ms 17 in DC Closing NO min ms 25 Opening NO min ms 25 Opening NO min ms 21 Max ms 25 3 Opening NO min ms 21 Max ms 25 3 Opening NO min ms 21 Max ms 3 3 Closing NC min ms 3 Max ms 11 3 Max ms 17 17 Ut technical data ms 11 17 General USE Contactor A 600 - Q600 Anbient conditions 4600 - Q600 Temperature Min °C 50 17 Temperature min °C 50 17 Storage temperature min °C <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
$\begin{tabular}{ c c c c } \hline & & & & & & & & & & & & & & & & & & $				max	ms	26
max ms 17 in DC Closing NO min ms 18 max ms 25 max ms 25 Opening NO min ms 2 max ms 3 Closing NC min ms 3 max ms 3 Opening NC min ms 3 max ms 11 Max ms 11 max ms 11 max ms 17 UL technical data min ms 11 max ms 17 UL technical data min ms 11 max ms 17 UL technical data min ms 10 max 17 UL technical data min ms 10 max 10 Contactor AC current A 10 0 0 Contactor min min °C -50 -50 -50 <td< td=""><td></td><td></td><td>Opening NC</td><td></td><td></td><td></td></td<>			Opening NC			
in DC Closing NO min ms 18 max ms 25 Opening NO min ms 2 max ms 3 Closing NC min ms 3 max ms 5 Closing NC min ms 3 max ms 5 Opening NC min ms 11 max ms 5 Opening NC min ms 11 max ms 17 Ut technical data General USE Contactor Contacts according to UL Accurrent A 10 Contact rating of auxiliary contacts according to UL Ambient conditions Temperature Operating temperature Operating temperature Max atitude min °C -50 max °C +70 Storage temperature min °C -60 max °C +80 Max atitude Resistance & Protection Resis						
Closing NO min ms 18 max ms 25 Opening NO min ms 2 max ms 3 Closing NC min ms 3 Closing NC min ms 3 Opening NC min ms 3 Opening NC min ms 1 Max ms 1 1 1 Opening NC max ms 1 1 Opening NC max ms 1 1 Ut technical data max ms 1 1 General USE Contactor A 10 0 Contact rating of auxiliary contacts according to UL Ambient conditions A600 - Q600 Ambient conditions Temperature Max min °C -50 Max altitude min °C -60 -70 Storage temperature min °C -60 -70				max	ms	17
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$\begin{tabular}{l l l l l l l l l l l l l l l l l l l $			Closing NO			
Opening NO min ms 2 max ms 2 max ms 3 Closing NC min ms 3 max ms 5 0 Opening NC min ms 3 Max ms 11 11 max ms 17 11 UL technical data ms 17 11 General USE Contactor AC current A 10 Contactor AC current A 10 0 Contactors Max 10 0 0 Ambient conditions max *C -50 -50 Temperature min °C -50 -50 -50 Temperature min °C -50 -50 -50 -50 -50 -50 -50 -50 -50 -50 -50 -50 -50 -50 -50 -50 -50 -50				min	ms	
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min ms 3 Max ms 5 Opening NC min ms 11 max ms 17 UL technical data General USE Contactor AC current A 10 Contactor AC current A 10 Contactor AC current A 10 Contactor Add current A 10 Contactor Add current A 10 Contactor Max altitude Max altitude min °C -50 max °C -50 max Max altitude m 3000 Resistance & Protection Pollution degree				max	ms	3
$\begin{array}{c c c c c } & max & ms & 5 \\ & min & ms & 11 \\ & max & ms & 17 \\ \hline \\ \hline \\ \begin{tabular}{lllllllllllllllllllllllllllllllllll$			Closing NC			
Opening NC min ms 11 max ms 17 UL technical data General USE Contactor AC current A 10 Contactor AC current A 10 Contactor Anbient conditions A600 - Q600 Ambient conditions A600 - Q600 Ambient conditions A600 - Q600 Ambient conditions Femperature Femperature Operating temperature min °C -50 Max altiude min °C -60 Max altiude m 3000 Resistance & Protection				min	ms	3
min mix m				max	ms	5
max m			Opening NC			
UL technical data General USE Contactor AC current A Contact rating of auxiliary contacts according to UL A600 - Q600 Ambient conditions A600 - Q600 Temperature min °C -50 Max °C +70 Storage temperature min °C -60 Max altitude m 3000 Resistance & Protection 3 3				min	ms	
General USE Contactor AC current A 10 Contact rating of auxiliary contacts according to UL A600 - Q600 Ambient conditions Temperature V Temperature Operating temperature V -50 Max °C +70 Storage temperature min °C -60 Max altitude m 3000 Resistance & Protection 3 3				max	ms	17
Contactor AC current A 10 Contact rating of auxiliary contacts according to UL A600 - Q600 Ambient conditions - - Temperature Operating temperature - Operating temperature min °C -50 max °C +70 Storage temperature min °C +80 max °C +80 Max altitude m Resistance & Protection						
AC current A 10 Contact rating of auxiliary contacts according to UL A600 - Q600 Ambient conditions Temperature Operating temperature Operating temperature min °C -50 max °C +70 Storage temperature min °C -60	General USE					
Contact rating of auxiliary contacts according to UL Ambient conditions Temperature Operating temperature Operating temperature Min °C -50 max °C +70 Storage temperature Max altitude Max altitude Resistance & Protection Pollution degree 3		Contactor				
Ambient conditions Temperature Operating temperature min °C max °C Storage temperature min °C Storage temperature min °C Max altitude m Resistance & Protection Pollution degree 3				AC current	Α	10
Temperature Operating temperature min °C -50 max °C +70 Storage temperature min °C -60 max °C +80 Max altitude m 3000 Resistance & Protection 3			ding to UL			A600 - Q600
Operating temperature min °C -50 max °C +70 Storage temperature min °C -60 max °C +80 Max altitude m 3000 Resistance & Protection Pollution degree 3						
min °C -50 max °C +70 Storage temperature min °C -60 max °C +80 Max altitude m 3000 Resistance & Protection Pollution degree 3	Temperature					
max °C +70 Storage temperature min °C -60 max °C +80 Max altitude m 3000 Resistance & Protection Pollution degree 3		Operating tempe	rature			
Storage temperature min °C -60 max °C +80 Max altitude m 3000 Resistance & Protection Pollution degree 3				min		-50
min°C-60max°C+80Max altitudem3000Resistance & ProtectionPollution degree3				max	°C	+70
max°C+80Max altitudem3000Resistance & ProtectionPollution degree3		Storage tempera	ture			
Max altitude m 3000 Resistance & Protection Pollution degree 3				min	°C	-60
Resistance & Protection Pollution degree 3				max	°C	+80
Pollution degree 3	Max altitude				m	3000
Pollution degree 3	Resistance & Prote	ection				
	Pollution degree					3
	Dimensions					



CONTROL RELAY WITH AC COIL 50/60HZ, 110VAC, 2NO AND 2NC

4.4 0,6 44 0,0 _____57 ____ (2.24") 4.4— (0.17") ____ 57 ____ (2.24") 58 (2.28") 58 (2.28") 320 -000 94.2 (3.71") 머머 - 34.9 - (1.37") 8.5 (0.33" 3.2 — (0.12") 9.7 (0.38") - 34.9 (1.37") RF...9 8.5 (0.33") -7.6 (0.30") - 89.2 -(3.51") 8.5 (0.33") — 44 — (1.73") Wiring diagrams



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Certifications and co	npliance	
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 relay

Contactor relay