



Product designation				Auxiliary contactor
Product type designat	tion			BG00
Contact characteristic				
Number of poles			Nr.	4
Rated insulation voltage	ge 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 o	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	<u>.</u>	~	
		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 protection according to IEC/EN 60529				IP20 when properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
				Screw / DIN rail
Fixing				35mm
Weight			g	179
			э	



Conductor section

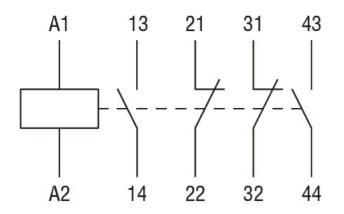
AWG/kcmil conductor section

	max		12
Auxiliary contact 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	A	0.55
	220V	A	0.3
	600V	A	0.1
Operations			
Mechanical life		cycles	20000000
Safety related data			
Performance level B10d according to EN/ISO 13489-1			
	mechanical load	cycles	2000000
Mirror contats according to IEC/EN 609474-4-1			YES
EMC compatibility			yes
AC coil operating			
		V	120
Rated AC voltage at 60Hz		V	120
Rated AC voltage at 60Hz AC operating voltage		V	120
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz		V	120
Rated AC voltage at 60Hz AC operating voltage	min		
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz	min	%Us	75
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up	min max		
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz	max	%Us %Us	75 115
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up		%Us %Us %Us	75 115 20
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out	max	%Us %Us	75 115
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out	max	%Us %Us %Us	75 115 20
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out	max min max	%Us %Us %Us	75 115 20 55
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out	max	%Us %Us %Us %Us	75 115 20
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out	max min max in-rush	%Us %Us %Us %Us VA	75 115 20 55 30
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz	max min max in-rush	%Us %Us %Us %Us VA	75 115 20 55 30
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz	max min max in-rush holding	%Us %Us %Us %Us VA VA	75 115 20 55 30 4
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz	max min max in-rush holding in-rush	%Us %Us %Us %Us VA VA VA	75 115 20 55 30 4 25
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz	max min max in-rush holding in-rush	%Us %Us %Us %Us VA VA VA	75 115 20 55 30 4 25
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz of 50/60Hz coil powered at 60Hz of 60Hz coil powered at 60Hz	max min max in-rush holding in-rush holding	%Us %Us %Us %Us VA VA VA	75 115 20 55 30 4 25 3
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz of 50/60Hz coil powered at 60Hz of 60Hz coil powered at 60Hz of 60Hz coil powered at 60Hz	max min max in-rush holding in-rush holding in-rush	%Us %Us %Us %Us VA VA VA VA	75 115 20 55 30 4 25 3 30
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz Max cycles frequency	max min max in-rush holding in-rush holding in-rush	%Us %Us %Us %Us VA VA VA VA VA	75 115 20 55 30 4 25 3 30 4
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz of 50/60Hz coil powered at 60Hz of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz Max cycles frequency Mechanical operation	max min max in-rush holding in-rush holding in-rush	%Us %Us %Us %Us VA VA VA VA VA	75 115 20 55 30 4 25 3 30 4 0.95
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz of 50/60Hz coil powered at 60Hz of 50/60Hz coil powered at 60Hz of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz Max cycles frequency Mechanical operation Operating times	max min max in-rush holding in-rush holding in-rush	%Us %Us %Us %Us VA VA VA VA VA VA VA VA VA	75 115 20 55 30 4 25 3 30 4 0.95
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz of 50/60Hz coil powered at 60Hz of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz Max cycles frequency Mechanical operation	max min max in-rush holding in-rush holding in-rush	%Us %Us %Us %Us VA VA VA VA VA VA VA VA VA	75 115 20 55 30 4 25 3 30 4 0.95

Lovato
electric
ENERGY AND AUTOMATION

		Closing NO			10
			mir		12
		о · ма	max	k ms	21
		Opening NC			_
			mir		9
			max	k ms	18
		Closing NC			
			mir	n ms	17
			max	k ms	26
		Opening NC	;		
			mir	n ms	7
			max	k ms	17
	in DC				
		Closing NO			
		g	mir	n ms	18
			max		25
		Opening NC			
			, mir	n ms	2
			max	k ms	3
		Closing NC			2
			mir		3
			max	k ms	5
		Opening NC			
			mir	n ms	11
			max	k ms	17
UL technical data					
General USE					
General USL					
General USL	Contactor				
	Contactor		AC curren	t A	10
) UL	AC curren	t A	10 A600 - Q600
Contact rating of auxili	Contactor) UL	AC curren	t A	
Contact rating of auxili Ambient conditions) UL	AC curren	t A	
Contact rating of auxili	ary contacts according to		AC curren	t A	
Contact rating of auxili Ambient conditions					A600 - Q600
Contact rating of auxili Ambient conditions	ary contacts according to		mir	n °C	A600 - Q600 -50
Contact rating of auxili Ambient conditions	ary contacts according to			n °C	A600 - Q600
Contact rating of auxili Ambient conditions	ary contacts according to		mir max	n °C k °C	A600 - Q600 -50 +70
Contact rating of auxili Ambient conditions	ary contacts according to		mir max mir	n °C < °C n °C	A600 - Q600 -50 +70 -60
Contact rating of auxili Ambient conditions Temperature	ary contacts according to		mir max	n °C « °C n °C « °C	A600 - Q600 -50 +70 -60 +80
Contact rating of auxili Ambient conditions Temperature Max altitude	Operating temperature		mir max mir	n °C < °C n °C	A600 - Q600 -50 +70 -60
Contact rating of auxili Ambient conditions Temperature Max altitude Resistance & Protecti	Operating temperature		mir max mir	n °C « °C n °C « °C	A600 - Q600 -50 +70 -60 +80 3000
Contact rating of auxili Ambient conditions Temperature Max altitude Resistance & Protecti Pollution degree	Operating temperature		mir max mir	n °C « °C n °C « °C	A600 - Q600 -50 +70 -60 +80
Contact rating of auxili Ambient conditions Temperature Max altitude Resistance & Protecti	Operating temperature		mir max mir	n °C « °C n °C « °C	A600 - Q600 -50 +70 -60 +80 3000
Contact rating of auxili Ambient conditions Temperature Max altitude Resistance & Protecti Pollution degree Dimensions	Operating temperature Storage temperature		mir max mir max	n °C	A600 - Q600 -50 +70 -60 +80 3000 3
Contact rating of auxili Ambient conditions Temperature Max altitude Resistance & Protecti Pollution degree Dimensions	Operating temperature Storage temperature on		mir max mir max	n °C	A600 - Q600 -50 +70 -60 +80 3000 3
Contact rating of auxili Ambient conditions Temperature Max altitude Resistance & Protecti Pollution degree Dimensions	Operating temperature Storage temperature		mir max mir max	n °C	A600 - Q600 -50 +70 -60 +80 3000
Contact rating of auxili Ambient conditions Temperature Max altitude Resistance & Protecti Pollution degree Dimensions	Operating temperature Storage temperature on		mir max mir max	n °C < °C n °C < °C m	A600 - Q600 -50 +70 -60 +80 3000 3
Contact rating of auxili Ambient conditions Temperature Max altitude Resistance & Protecti Pollution degree Dimensions	Operating temperature Storage temperature on		mir max mir max	n °C < °C n °C < °C m	A600 - Q600 -50 +70 -60 +80 3000 3
Contact rating of auxili Ambient conditions Temperature Max altitude Resistance & Protecti Pollution degree Dimensions	Operating temperature Storage temperature on		mir max mir max	n °C < °C n °C < °C m	A600 - Q600 -50 +70 -60 +80 3000 3
Contact rating of auxili Ambient conditions Temperature Max altitude Resistance & Protecti Pollution degree Dimensions	on		mir max mir max	n °C × °C n °C × °C m m	A600 - Q600 -50 +70 -60 +80 3000 3
Contact rating of auxili Ambient conditions Temperature Max altitude Resistance & Protecti Pollution degree Dimensions 44 + 44 + 44 + 44 + 44 + 44 + 44 + 44	Operating temperature Storage temperature		mir max mir max	n °C < °C n °C < °C m	A600 - Q600 -50 +70 -60 +80 3000 3
Contact rating of auxili Ambient conditions Temperature Max altitude Resistance & Protecti Pollution degree Dimensions 44 + 44 + 44 + 44 + 44 + 44 + 44 + 44	Operating temperature Storage temperature		mir max mir max	n °C < °C n °C < °C m	A600 - Q600 -50 +70 -60 +80 3000 3 RF9 RF9
Contact rating of auxili Ambient conditions Temperature Max altitude Resistance & Protecti Pollution degree Dimensions	Operating temperature Storage temperature		mir max mir max mir max mir max mir max mir max mir max	n °C < °C n °C < °C m	A600 - Q600 -50 +70 -60 +80 3000 3 RF9 RF9
Contact rating of auxili Ambient conditions Temperature Max altitude Resistance & Protecti Pollution degree Dimensions 44 + 44 + 44 + 44 + 44 + 44 + 44 + 44	Operating temperature Storage temperature		mir max mir max	n °C < °C n °C < °C m	A600 - Q600 -50 +70 -60 +80 3000 3 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 classification		
ETIM 8.0		EC000196 - Contactor relay

Contactor relay