



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			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	0		
		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
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				Mantiaal
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight			g	185

11BG0022A22060 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



Conductor section

AWG/kcmil conductor section

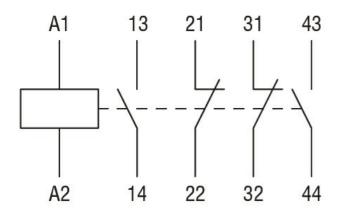
	max		12
Auxiliary contact characteristics			
Thermal current Ith		А	10
IEC/EN 60947-5-1 designation			A600 - Q600
Operating current AC15			
	230V	А	3
	400V	А	1.9
	500V	А	1.4
Operating current DC12			
	110V	А	2.9
Operating current DC13			
	24V	А	2.9
	48V	А	1.4
	60V	А	1.2
	110V	А	0.6
	125V	A	0.55
	220V	A	0.3
	600V	A	0.1
Operations			
Mechanical life		cycles	20000000
Safety related data			
Performance level B10d according to EN/ISO 13489-1		avala a	2000000
Mirror contate according to IEC/EN CO0474.4.4	mechanical load	cycles	20000000 YES
Mirror contats according to IEC/EN 609474-4-1 EMC compatibility			
AC coil operating			yes
		V	220
Rated AC voltage at 60Hz		V	220
Rated AC voltage at 60Hz AC operating voltage		V	220
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz		V	220
Rated AC voltage at 60Hz AC operating voltage	min		
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz	min max	%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	75
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up	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	%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 %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 %Us	75 115 20 55
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 of 50/60Hz coil powered at 60Hz	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 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	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 of 50/60Hz 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 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	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 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			
			min	ms	12
					21
		Opening NO	max	s ms	21
		Opening NO	min	ms	9
			max		18
		Closing NC	max	. 115	10
		Closing NO	min	ms	17
			max		26
		Opening NC	max		20
		opening No	min	ms	7
			max		17
	in DC		max		
		Closing NO			
		Closing NO	min	ms	18
			max		25
		Opening NO	max		20
		Opening 140	min	ms	2
			max		3
		Closing NC	Παλ	. 115	0
		Closing NC	min	ms	3
			max		5
		Opening NC	max	. 115	5
		Opening NC	min	ms	11
			max		17
UL technical data			That the second s	. 1115	17
General USE					
General USE	Contactor				
	Contactor		AC current	A	10
			AC current	t A	10 A600 - Q600
Contact rating of auxilia	Contactor ary contacts according to	UL	AC current	t A	10 A600 - Q600
Contact rating of auxilia Ambient conditions		UL	AC current	: A	
Contact rating of auxilia	ary contacts according to	UL	AC current	t A	
Contact rating of auxilia Ambient conditions		UL			A600 - Q600
Contact rating of auxilia Ambient conditions	ary contacts according to	UL	min	°C	A600 - Q600 -50
Contact rating of auxilia Ambient conditions	ary contacts according to Operating temperature	UL		°C	A600 - Q600
Contact rating of auxilia Ambient conditions	ary contacts according to	UL	min max	°C ℃	A600 - Q600 -50 +70
Contact rating of auxilia Ambient conditions	ary contacts according to Operating temperature	UL	min max min	0°C 2° 2° 10°C	A600 - Q600 -50 +70 -60
Contact rating of auxilia Ambient conditions Temperature	ary contacts according to Operating temperature	UL	min max	0°C 3°C 1°C 1°C	A600 - Q600 -50 +70 -60 +80
Contact rating of auxilia Ambient conditions Temperature Max altitude	Operating temperature Storage temperature	UL	min max min	0°C 2° 2° 10°C	A600 - Q600 -50 +70 -60
Contact rating of auxilia Ambient conditions Temperature Max altitude Resistance & Protectio	Operating temperature Storage temperature	UL	min max min	0°C 3°C 1°C 1°C	A600 - Q600 -50 +70 -60 +80 3000
Contact rating of auxilia Ambient conditions Temperature Max altitude Resistance & Protectio Pollution degree	Operating temperature Storage temperature	UL	min max min	0°C 3°C 1°C 1°C	A600 - Q600 -50 +70 -60 +80
Contact rating of auxilia Ambient conditions Temperature Max altitude Resistance & Protection Pollution degree Dimensions	Ary contacts according to Operating temperature Storage temperature	UL	min max min max	0°C 3°C 1°C 1°C	A600 - Q600 -50 +70 -60 +80 3000
Contact rating of auxilia Ambient conditions Temperature Max altitude Resistance & Protection Pollution degree Dimensions $44^{+}_{(0,17)}$ $44^{+}_$	Operating temperature Storage temperature		min max min max	°C °C °C °C °C m	A600 - Q600 -50 +70 -60 +80 3000 3 27 RE9
Contact rating of auxilia Ambient conditions Temperature Max altitude Resistance & Protection Pollution degree Dimensions	Operating temperature Storage temperature		min max min max	°C °C °C °C °C °C °C °C	A600 - Q600 -50 +70 -60 +80 3000 3

Wiring diagrams





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