



Product designation				Auxiliary contactor
Product type designat	ion			BG00
Contact characteristic				
Number of poles			Nr.	4
Rated insulation voltage 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			
0 0 1		min	Nm	0.8
		max	Nm	1
		min	Ibin	9
		max	lbin	9
Tightening torque for a	coil terminal			
		min	Nm	0.8
		max	Nm	1
		min	Ibin	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		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight			g	180

11BG0031A02460 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

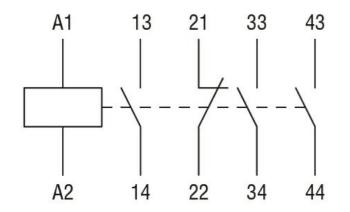
AWG/Kemil conductor section	max		12
Auxiliary contact characteristics			
Thermal current Ith		А	10
IEC/EN 60947-5-1 designation			A600 - Q600
Operating current AC15			
	230V	А	3
	400V	А	1.9
	500V	А	1.4
Operating current DC12			
	110V	А	2.9
Operating current DC13			
	24V	А	2.9
	48V	А	1.4
	60V	А	1.2
	110V	А	0.6
	125V	А	0.55
	220V	А	0.3
	600V	А	0.1
Operations			
Mechanical life		cycles	20000000
Safety related data		ý	
Performance level B10d according to EN/ISO 13489-1			
, i i i i i i i i i i i i i i i i i i i	mechanical load	cycles	2000000
Mirror contats according to IEC/EN 609474-4-1		,	YES
EMC compatibility			yes
AC coil operating			,
Rated AC voltage at 60Hz		V	24
Rated AC voltage at 60Hz AC operating voltage		V	24
AC operating voltage		V	24
AC operating voltage of 60Hz coil powered at 60Hz		V	24
AC operating voltage	min		
AC operating voltage of 60Hz coil powered at 60Hz	min max	%Us	75
AC operating voltage of 60Hz coil powered at 60Hz pick-up	min max		
AC operating voltage of 60Hz coil powered at 60Hz	max	%Us %Us	75 115
AC operating voltage of 60Hz coil powered at 60Hz pick-up	max	%Us %Us %Us	75 115 20
AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out	max	%Us %Us	75 115
AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out	max	%Us %Us %Us	75 115 20
AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out	max min max	%Us %Us %Us %Us	75 115 20 55
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
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	%Us %Us %Us %Us	75 115 20 55
AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out	max min max in-rush holding	%Us %Us %Us %Us VA VA	75 115 20 55 30 4
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
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
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 holding	%Us %Us %Us %Us VA VA VA	75 115 20 55 30 4 25 3
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
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	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
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 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
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 VA VA VA VA VA	75 115 20 55 30 4 25 3 30 4 0.95
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 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
AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out 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 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 VA	75 115 20 55 30 4 25 3 30 4 0.95
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 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 VA	75 115 20 55 30 4 25 3 30 4 0.95



ENERGY AND ACTOMATION					
		Closing NO			
			min		12
			max	ms	21
		Opening NO			
			min	ms	9
			max	ms	18
		Closing NC			
		Ũ	min	ms	17
			max		26
		Opening NC		mo	20
		Opening NO	min	ma	7
				ms	
			max	ms	17
	in DC				
		Closing NO			
			min	ms	18
			max	ms	25
		Opening NO)		
			min	ms	2
			max		3
		Closing NC	max		~
		Closing NC	min	me	3
				ms	
		- · · · ·	max	ms	5
		Opening NC			
			min	ms	11
			max	ms	17
UL technical data					
General USE					
	Contactor				
			AC current	А	10
Contact rating of auxilia	ary contacts according to				A600 - Q600
Ambient conditions	ary contacto according to	01			1000 0000
Temperature					
	Operating temperature		_		
			min	°C	-50
			max	°C	+70
	Storage temperature				
			min	°C	-60
			max		+80
Max altitude				m	3000
Resistance & Protection	n				
					3
Pollution degree					J
Dimensions					
(0.33") (0.38")	34.9 (1.37")			(2 (2 (2 (2 (2)) (2 (2)) (2)) (2)) (2))	57 .24") RF9
8.5 (0.33") 8.5 (0.33")			44		89.2 (3.51") - 7.6 (0.30")

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