



Product designation			Auxiliary contactor
Product type designation			BG00
Contact characteristics			
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Operational frequency			
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		Α	10
Protection fuse			
gC	G (IEC)	Α	16
Tightening torque for terminals	,		
	min	Nm	0.8
	max	Nm	1
	min	lbin	9
	max	lbin	9
Tightening torque for 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			Manthaalistoo
	normal		Vertical plan
alle	owable		±30°
Fixing			Screw / DIN rail 35mm
Weight		~	222
Weight		g	444



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Conductor section					
	AWG/kcmil condu	ctor section			
			max		12
Auxiliary contact chara	cteristics			•	1.0
Thermal current Ith	. ,			Α	10
IEC/EN 60947-5-1 des	_				A600 - Q600
Operating current AC1	5		0001/	۸	0
			230V 400V	A	3
			500V	A	1.9 1.4
Operating current DC1	2		300 V	A	1.4
Operating current DC1	2		110V	Α	2.9
Operating current DC1	2		1100	A	2.9
Operating current DC1	3		24V	Α	2.9
			48V	A	1.4
			60V	A	1.2
			110V	A	0.6
			125V	A	0.55
			220V	A	0.3
			600V	Α	0.1
Operations			333.	, ,	0
Mechanical life				cycles	20000000
Safety related data					
Performance level B10	d according to EN/	ISO 13489-1			
	· ·		mechanical load	cycles	20000000
Mirror contats according	ng to IEC/EN 60947	4-4-1			YES
EMC compatibility					•
Livio compationity					yes
DC coil operating					yes
	je			V	60
DC coil operating	ge			V	
DC coil operating DC rated control voltage	ge pick-up			V	
DC coil operating DC rated control voltage			min	V %Us	
DC coil operating DC rated control voltage	pick-up		min max		60
DC coil operating DC rated control voltage				%Us %Us	75 115
DC coil operating DC rated control voltage	pick-up		max min	%Us %Us %Us	60 75 115
DC coil operating DC rated control voltage DC operating voltage	pick-up drop-out		max	%Us %Us	75 115
DC coil operating DC rated control voltage	pick-up drop-out		max min max	%Us %Us %Us %Us	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 %Us	60 75 115 10 20
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt	pick-up drop-out		max min max	%Us %Us %Us %Us	75 115 10 20
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us W W	75 115 10 20 3.2 3.2
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us %Us	75 115 10 20 3.2 3.2
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C		max min max in-rush	%Us %Us %Us %Us W W	75 115 10 20 3.2 3.2
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation	pick-up drop-out tion ≤20°C		max min max in-rush	%Us %Us %Us %Us W W	75 115 10 20 3.2 3.2
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Closing NO	max min max in-rush	%Us %Us %Us %Us W W	75 115 10 20 3.2 3.2
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Closing NO	max min max in-rush holding	%Us %Us %Us %Us W W	75 115 10 20 3.2 3.2 3600
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Closing NO	max min max in-rush holding	%Us %Us %Us %Us W W cycles/h	60 75 115 10 20 3.2 3.2 3600
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C		max min max in-rush holding	%Us %Us %Us %Us W W	75 115 10 20 3.2 3.2 3600
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Closing NO Opening NO	max min max in-rush holding min max	%Us %Us %Us %Us W W cycles/h	75 115 10 20 3.2 3.2 3600
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DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C		max min max in-rush holding min max min	%Us %Us %Us %Us W W cycles/h	60 75 115 10 20 3.2 3.2 3600
DC coil operating DC rated control voltage DC operating voltage Average coil consumpt Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Opening NO	max min max in-rush holding min max min max	%Us %Us %Us %Us W W cycles/h	75 115 10 20 3.2 3.2 3600

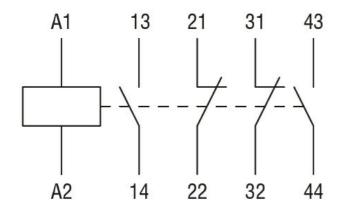


Opening NC

		Opening NC	,		
			min	ms	7
			max	ms	17
	in DC				
		Closing NO			
		Ü	min	ms	18
			max	ms	25
		Opening NC			
		- 1 - 3 -	min	ms	2
			max	ms	3
		Closing NC	max		· ·
		Clooming 110	min	ms	3
			max	ms	5
		Opening NC		1113	3
		Opening NC	, min	mc	11
				ms	17
III toobnical data			max	ms	17
UL technical data					
General USE					
	Contactor			_	
			AC current	Α	10
	ary contacts according to	UL			A600 - Q600
Ambient conditions					
Temperature					
	Operating temperature	•			
			min	°C	-50
			max	°C	+70
	Storage temperature				
	0 1		min	°C	-60
			max	°C	+80
Max altitude				m	3000
Resistance & Protection	nn				
Pollution degree	511				3
Dimensions					
4.4 (0.17") (0.17") (0.33") (0.33") (0.33") (0.33") (0.33") Wiring diagrams	34.9 (1.37")		44 (1.73") (0.11) (0.11) (1.37") (0.11) (1.37") (0.11)	(2.28")	RF9 7.6 (0.30")



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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