



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	A	10	
Protection fuse	gG (IEC)	A	16
Tightening torque for terminals	min	Nm	0.8
	max	Nm	1
	min	Ibin	9
	max	Ibin	9
Tightening torque for coil terminal	min	Nm	0.8
	max	Nm	1
	min	Ibin	9
	max	Ibin	9
Max number of wires simultaneously connectable	Nr.	2	
Conductor section			
AWG/Kcmil	max		12
Flexible w/o lug conductor section	min	mm <sup>2</sup>	0.75
	max	mm <sup>2</sup>	2.5
Flexible c/w lug conductor section	min	mm <sup>2</sup>	1.5
	max	mm <sup>2</sup>	2.5
Flexible with insulated spade lug conductor section	min	mm <sup>2</sup>	1.5
	max	mm <sup>2</sup>	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	206	
Auxiliary contact characteristics			

Thermal current $I_{th}$		A	10
IEC/EN 60947-5-1 designation			A600 - Q600
Operating current AC15			
	230V	A	3
	400V	A	1.9
	500V	A	1.4
Operating current DC12		110V	A 2.9
Operating current DC13		24V	A 2.9
	48V	A	1.4
	60V	A	1.2
	110V	A	0.6
	125V	A	0.55
	220V	A	0.3
	600V	A	0.1
<b>Operations</b>			
Mechanical life		cycles	20000000
<b>Safety related data</b>			
Performance level B10d according to EN/ISO 13489-1		mechanical load	cycles 20000000
EMC compatibility			yes
<b>DC coil operating</b>			
DC rated control voltage		V	24
DC operating voltage			
pick-up		min	%Us 75
		max	%Us 115
drop-out		min	%Us 10
		max	%Us 20
Average coil consumption $\leq 20^{\circ}\text{C}$		in-rush	W 2.3
		holding	W 2.3
<b>Max cycles frequency</b>			
Mechanical operation			cycles/h 3600
<b>Operating times</b>			
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 17
		max	ms 26
Opening NC		min	ms 7
		max	ms 17
in DC			
Closing NO		min	ms 18

Opening NO	max	ms	25
	min	ms	2
Closing NC	max	ms	3
	min	ms	3
Opening NC	max	ms	5
	min	ms	11
	max	ms	17

**UL technical data**

Rated operational voltage AC (UL)	V	600
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**General USE**

Contactor

AC current A 10

Contact rating of auxiliary contacts according to UL	A600 - Q600
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**Ambient conditions**

Temperature

Operating temperature

min °C -50  
max °C +70

Storage temperature

min °C -60  
max °C +80

Max altitude

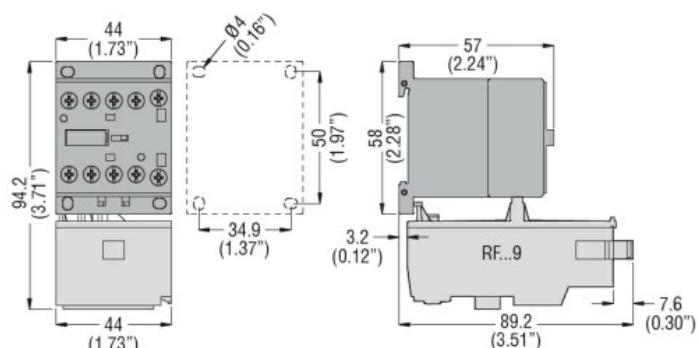
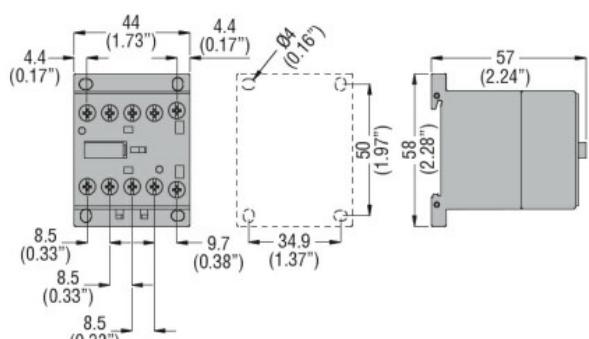
m 3000

**Resistance & Protection**

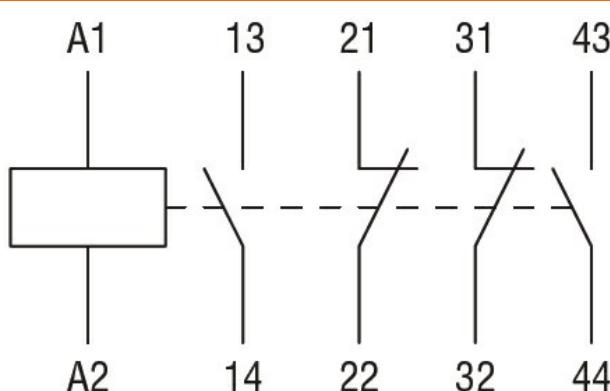
Pollution degree

3

**Dimensions**



**Wiring diagrams**



**Certifications and compliance**

**Compliance**

CSA C22.2 n° 60947-1

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CSA C22.2 n° 60947-5-1

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IEC/EN 60947-1

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IEC/EN 60947-5-1

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UL 60947-1

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UL 60947-5-1

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**Certificates**

cULus

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EAC

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**ETIM classification**

ETIM 8.0

EC000196 -  
Contactor relay