



Product designation				Auxiliary contactor
Product type designation				BG00
<b>Contact characteristics</b>				
Number of poles	Nr.			4
Rated insulation voltage $U_i$ IEC/EN	V			690
Rated impulse withstand voltage $U_{imp}$	kV			6
Operational frequency	min	Hz	25	
	max	Hz	400	
IEC Conventional free air thermal current $I_{th}$	A			10
Protection fuse	gG (IEC)		A	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	mm <sup>2</sup>	0.8	
	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
<b>Mechanical features</b>				
Operating position	normal allowable		Vertical plan $\pm 30^\circ$	
			Screw / DIN rail 35mm	
Fixing				Screw / DIN rail 35mm
Weight				g 200
Conductor section				

AWG/kcmil conductor section

	max			12
<b>Auxiliary contact characteristics</b>				
Thermal current I <sub>th</sub>		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
Mirror contacts according to IEC/EN 60947-4-1				YES
EMC compatibility				YES
<b>DC coil operating</b>				
DC rated control voltage		V	48	
DC operating voltage				
pick-up	min	%Us	75	
	max	%Us	115	
drop-out	min	%Us	10	
	max	%Us	20	
Average coil consumption ≤20°C	in-rush	W	3.2	
	holding	W	3.2	
<b>Max cycles frequency</b>				
Mechanical operation		cycles/h	3600	
<b>Operating times</b>				
Average time for U <sub>s</sub> 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
		max	ms	25
	Opening NO	min	ms	2
		max	ms	3
	Closing NC	min	ms	3
		max	ms	5
	Opening NC	min	ms	11
		max	ms	17

**UL technical data**

General USE

Contactor

AC current A 10

Contact rating of auxiliary contacts according to UL

A600 - Q600

**Ambient conditions**

Temperature

Operating temperature

min °C -50  
 max °C +70

Storage temperature

min °C -60  
 max °C +80

Max altitude

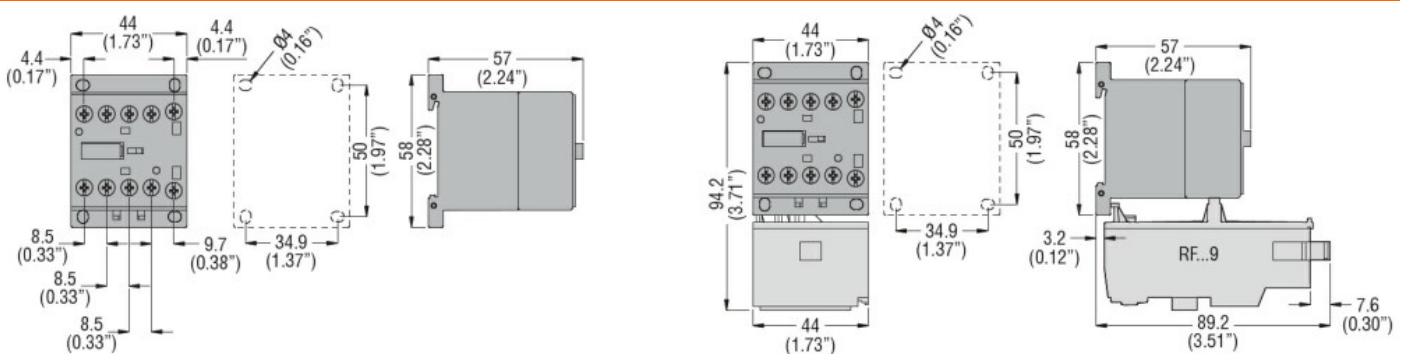
m 3000

**Resistance & Protection**

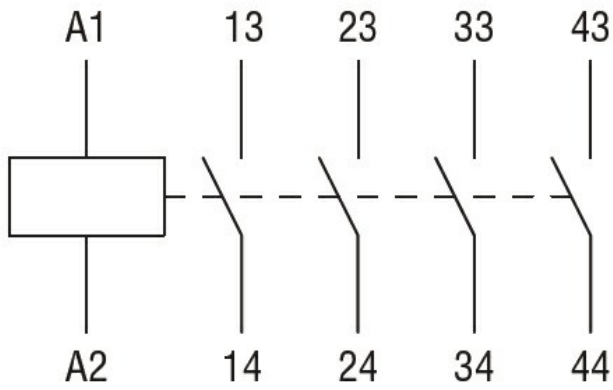
Pollution degree

3

**Dimensions**



**Wiring diagrams**



### Certifications and compliance

#### Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-5-1

IEC/EN 60947-1

IEC/EN 60947-5-1

UL 60947-1

UL 60947-5-1

#### Certificates

CCC

cULus

EAC

### ETIM classification

ETIM 8.0

EC000196 -  
Contactor relay