



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>	0.75	
	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 wired
<b>Mechanical features</b>				
Operating position	normal allowable		Vertical plan ±30°	
			Screw / DIN rail 35mm	
Fixing				Screw / DIN rail 35mm
Weight				g 176
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>AC coil operating</b>			
Rated AC voltage at 60Hz	V	460	
AC operating voltage	of 60Hz coil powered at 60Hz		
	pick-up		
	min	%Us	75
	max	%Us	115
	drop-out		
	min	%Us	20
	max	%Us	55
AC average coil consumption at 20°C	of 50/60Hz coil powered at 50Hz		
	in-rush	VA	30
	holding	VA	4
	of 50/60Hz coil powered at 60Hz		
	in-rush	VA	25
	holding	VA	3
	of 60Hz coil powered at 60Hz		
	in-rush	VA	30
	holding	VA	4
Dissipation at holding =20°C 50Hz	W	0.95	
<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
<hr/>				
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

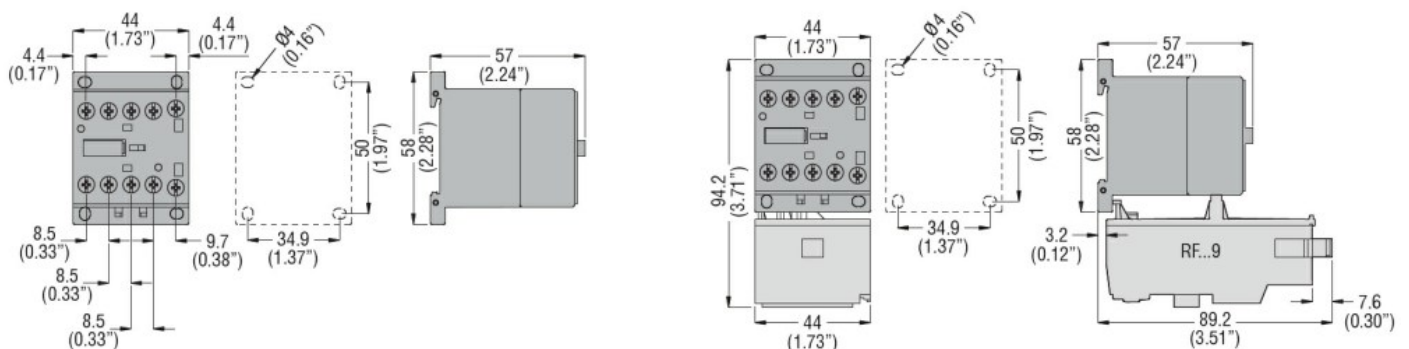
m 3000

### Resistance & Protection

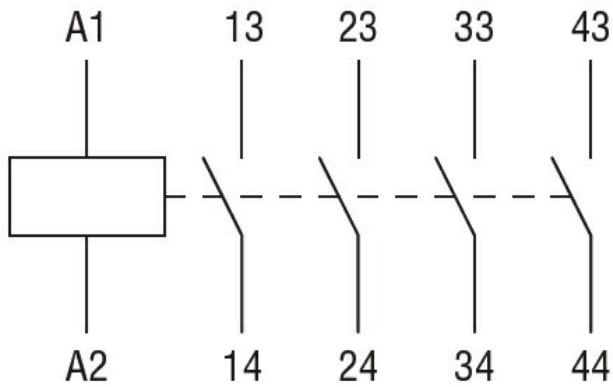
Pollution degree

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