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	mm²	0.8
	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
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		±30°
Fixing			Screw / DIN rail 35mm
Weight		g	200
Conductor section			

AWG/kcmil conductor section			
	max		12

Auxiliary contact characteristics			
Thermal current Ith		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

Operations			
Mechanical life		cycles	20000000

Safety related data			
Performance level B10d according to EN/ISO 13489-1			
	mechanical load	cycles	20000000
Mirror contats according to IEC/EN 609474-4-1			YES
EMC compatibility			YES

DC coil operating			
DC rated control voltage		V	60
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

Max cycles frequency			
Mechanical operation		cycles/h	3600

Operating times			
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
			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

Lovato electric
ENERGY AND AUTOMATION

```
A1      13      23      33      43


  ┌───┐
  │   │
  └───┘


A2      14      24      34      44
```
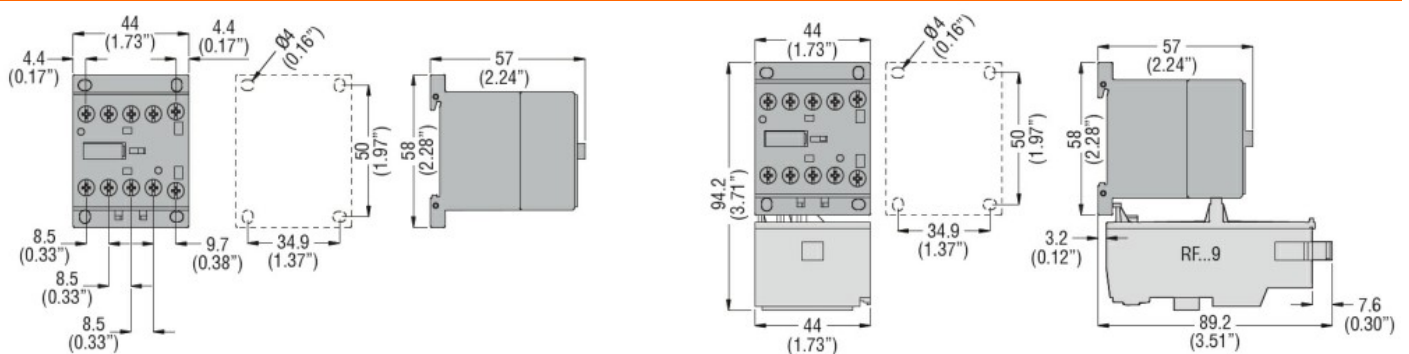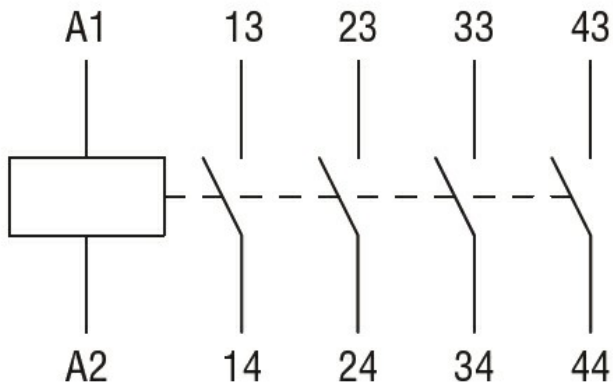
Certifications and compliance

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