



Product designation

Product type designation

Auxiliary  
contactor  
BG00

### Contact characteristics

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
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Protection fuse

gG (IEC)	A	16
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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
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Conductor section

AWG/Kcmil

max	12
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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 allowable	Vertical plan ±30°
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Fixing

Screw / DIN rail  
35mm

Weight

g	216
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### Auxiliary contact characteristics

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
EMC compatibility			yes
<b>DC coil operating</b>			
DC rated control voltage		V	125
DC operating voltage			
pick-up			
	min	%U <sub>s</sub>	75
	max	%U <sub>s</sub>	115
drop-out			
	min	%U <sub>s</sub>	10
	max	%U <sub>s</sub>	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

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

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

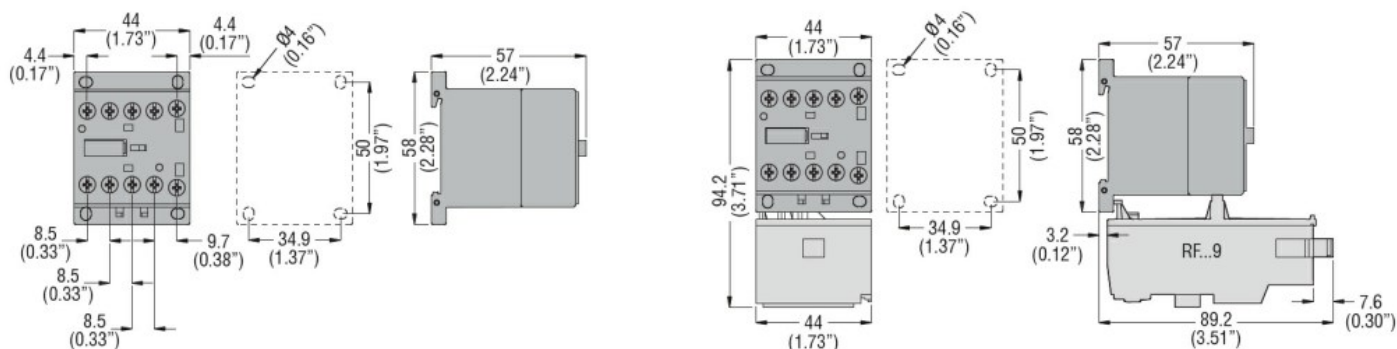
m 3000

#### Resistance & Protection

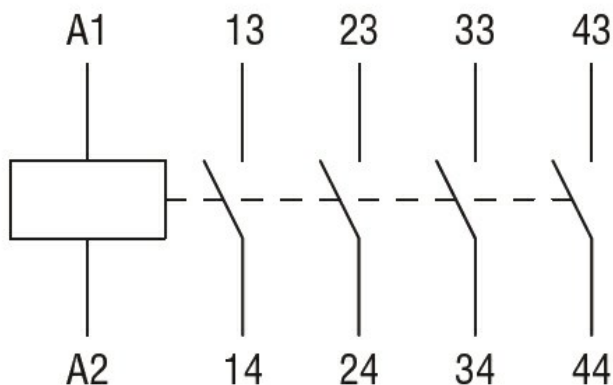
Pollution degree

3

#### Dimensions



#### Wiring diagrams



#### Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

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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

Certificates

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CCC

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cULus

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EAC

ETIM classification

ETIM 8.0

EC000196 -  
Contactor relay