



Auxiliary  
contactor  
BG00

Product designation

Product type designation

### 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
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  $mm^2$  0.75

max  $mm^2$  2.5

Flexible c/w lug conductor section

min  $mm^2$  1.5

max  $mm^2$  2.5

Flexible with insulated spade lug conductor section

min  $mm^2$  1.5

max  $mm^2$  2.5

Power terminal protection according to IEC/EN 60529

IP20 when  
properly wired

### Mechanical features

Operating position

normal  
allowable

Vertical plan  
 $\pm 30^\circ$

Fixing

Screw / DIN rail  
35mm

Weight

g 220

Conductor section

AWG/kcmil conductor section

max 12

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
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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 contacts according to IEC/EN 60947-4-1 YES

EMC compatibility yes

DC coil operating

DC rated control voltage V 24

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

Max cycles frequency

Mechanical operation cycles/h 3600

Operating times

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

in DC	Opening NC	min	ms	7
		max	ms	17
	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

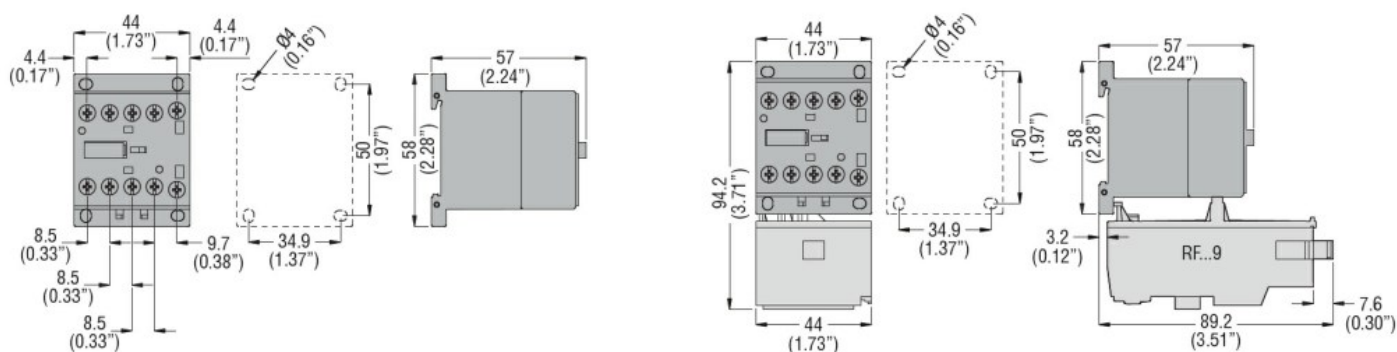
m 3000

#### Resistance & Protection

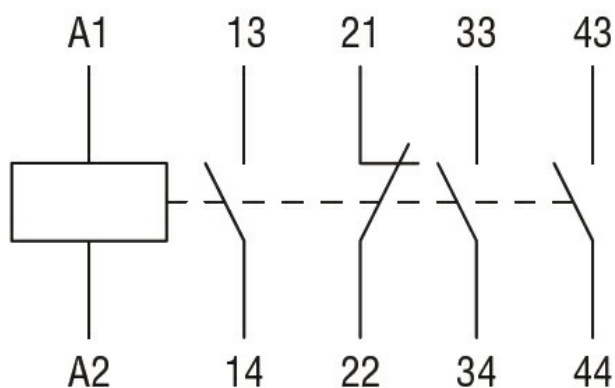
#### Pollution degree

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

cULus

EAC

#### ETIM classification

ETIM 8.0

EC000196 -  
Contactor relay