



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
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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 wired

**Mechanical features**

Operating position

normal allowable	Vertical plan ±30°
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Fixing

Screw / DIN rail  
35mm

Weight

g	220
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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	24	
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

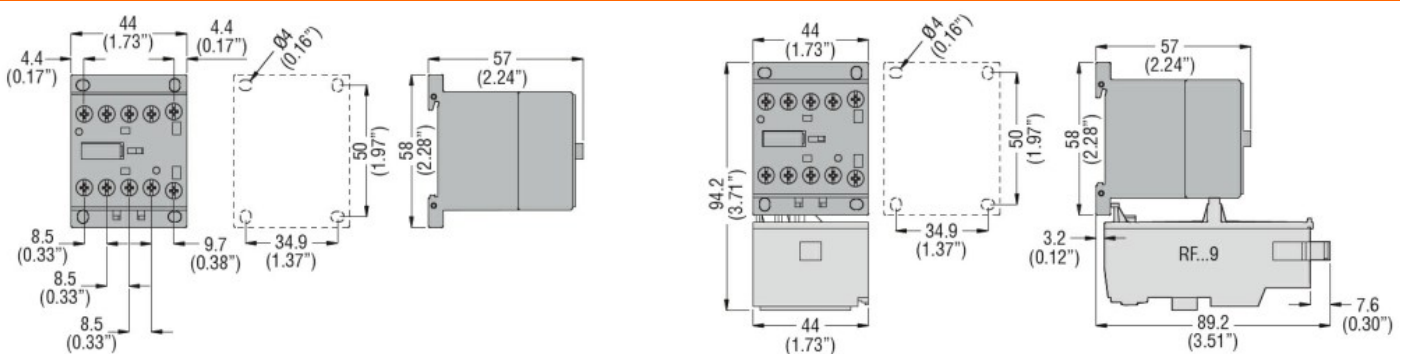
m 3000

**Resistance & Protection**

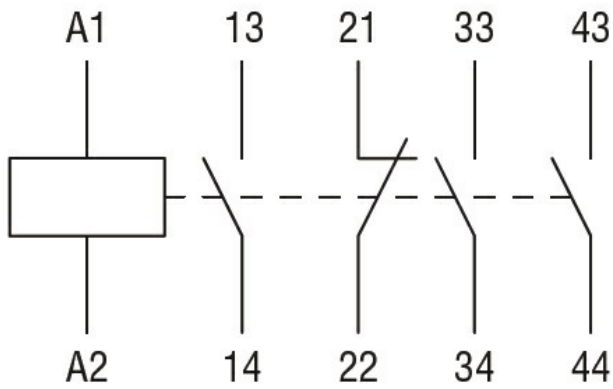
Pollution degree

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

cULus

EAC

**ETIM classification**

ETIM 8.0

EC000196 -  
 Contactor relay