



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
---	----

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 wired

Mechanical features

Operating position

normal allowable	Vertical plan ±30°
---------------------	-----------------------

Fixing

Screw / DIN rail
35mm

Weight

g	220
---	-----

Conductor section

AWG/kcmil conductor section

		max	12
Auxiliary contact characteristics			
Thermal current I _{th}		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 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 _s 75
		max	%U _s 115
drop-out		min	%U _s 10
		max	%U _s 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 _s 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			

in DC		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	160
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

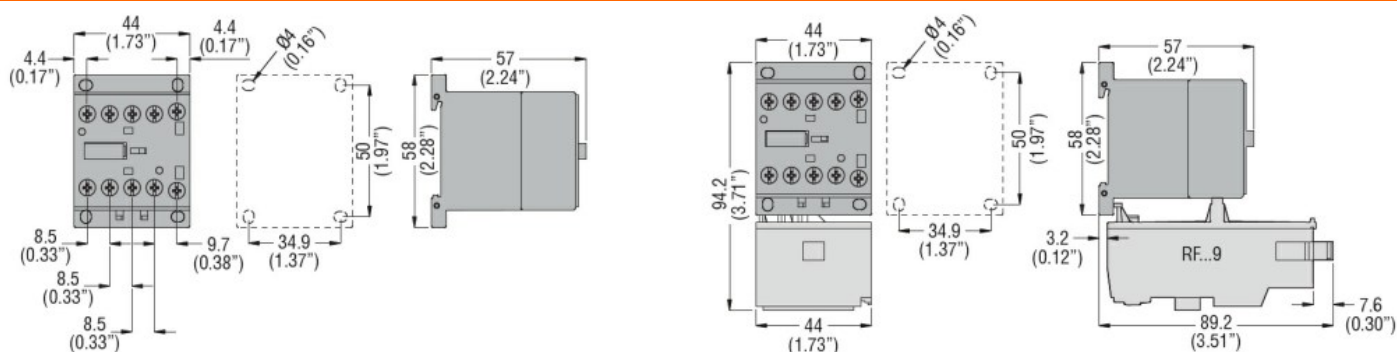
m 3000

Resistance & Protection

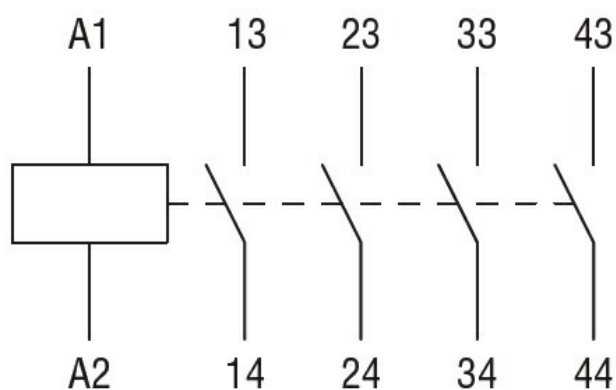
Pollution degree

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