



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 wired

Mechanical features

Operating position

	normal allowable	Vertical plan $\pm 30^\circ$
Fixing		Screw / DIN rail 35mm
Weight	g	203
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	48
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 2.3
		holding	W 2.3
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

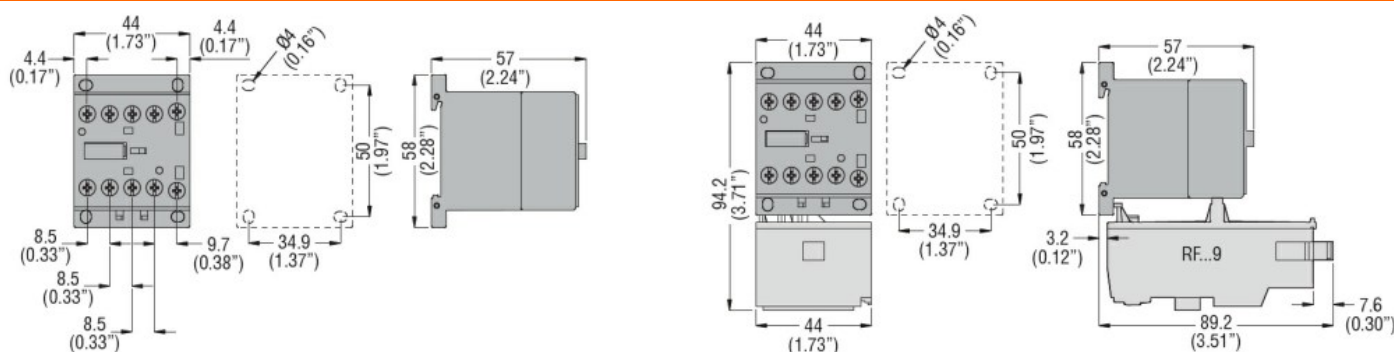
m 3000

Resistance & Protection

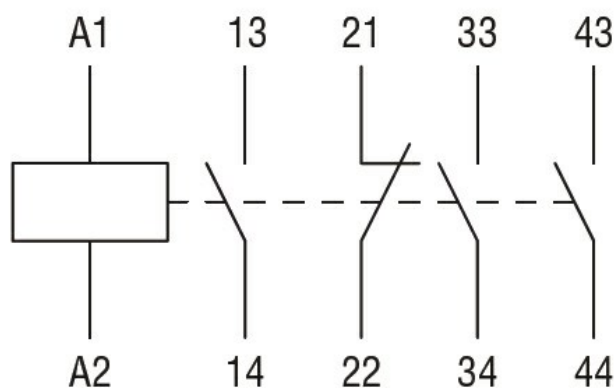
Pollution degree

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

CCC

cULus

EAC

ETIM classification

ETIM 8.0

EC000196 -
Contactor relay