



Product designation			Auxiliary contactor		
Product type designation			BG00		
Contact characteristics					
Number of poles			Nr.	4	
Rated insulation voltage Ui IEC/EN			V	690	
Rated impulse withstand voltage Uimp			kV	6	
Operational frequency			min	Hz	25
			max	Hz	400
IEC Conventional free air thermal current Ith			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	mm²	0.75
			max	mm²	2.5
Flexible c/w lug conductor section			min	mm²	1.5
			max	mm²	2.5
Flexible with insulated spade lug conductor section			min	mm²	1.5
			max	mm²	2.5
Power terminal protection according to IEC/EN 60529				IP20 when properly wired	
Mechanical features					
Operating position			normal		Vertical plan
			allowable		±30°
Fixing				Screw / DIN rail 35mm	
Weight			g	176	
Auxiliary contact characteristics					

Thermal current Ith	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
EMC compatibility		yes
AC coil operating		
Rated AC voltage at 60Hz	V	460
AC operating voltage		
of 60Hz coil powered at 60Hz		
pick-up	min %Us	75
	max %Us	115
drop-out	min %Us	20
	max %Us	55
AC average coil consumption at 20°C		
of 50/60Hz coil powered at 50Hz	in-rush VA	30
	holding VA	4
of 50/60Hz coil powered at 60Hz	in-rush VA	25
	holding VA	3
of 60Hz coil powered at 60Hz	in-rush VA	30
	holding VA	4
Dissipation at holding ≤20°C 50Hz	W	0.95
Max cycles frequency		
Mechanical operation	cycles/h	3600
Operating times		
Average time for Us control		
in AC		
Closing NO	min ms	12
	max ms	21
Opening NO	min ms	9

in DC	Closing NC	max	ms	18
		min	ms	17
	Opening NC	max	ms	26
		min	ms	7
		max	ms	17
		min	ms	18
	Closing NO	max	ms	25
		min	ms	2
	Opening NO	max	ms	3
		min	ms	3
	Closing NC	max	ms	5
		min	ms	3
	Opening NC	max	ms	17
		min	ms	11
		max	ms	17
		min	ms	11

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

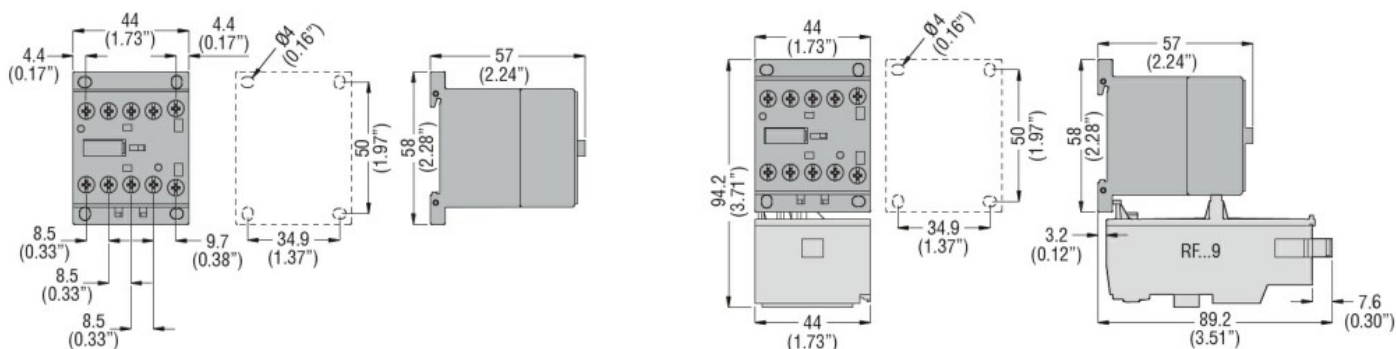
min	°C	-60
max	°C	+80

Max altitude	m	3000
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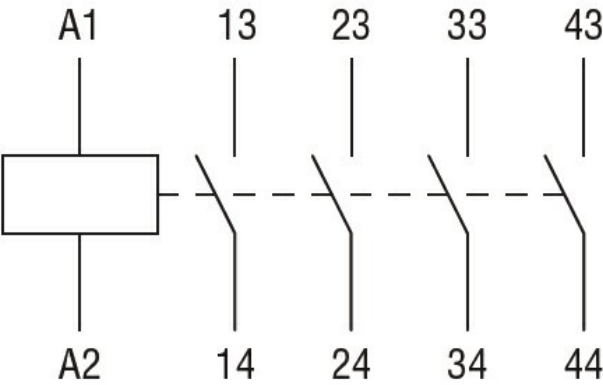
Resistance & Protection

Pollution degree	3
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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