



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	Ibin	9
		max	Ibin	9
Tightening torque for coil terminal		min	Nm	0.8
		max	Nm	1
		min	Ibin	9
		max	Ibin	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 allowable	Vertical plan ±30°
Fixing			Screw / DIN rail 35mm	
Weight		g	179	
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
EMC compatibility		yes
AC coil operating		
Rated AC voltage at 60Hz	V	120
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 U _s 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
	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

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

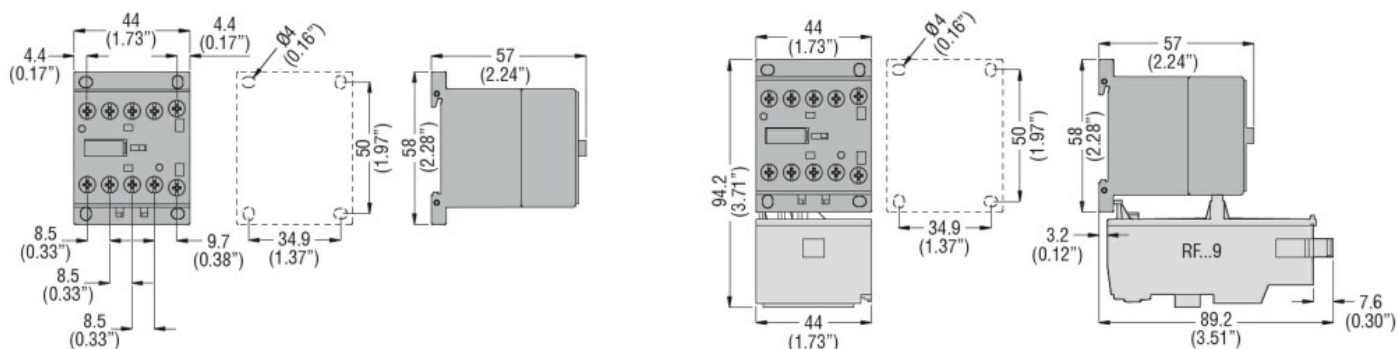
min	°C	-60
max	°C	+80

Max altitude	m	3000
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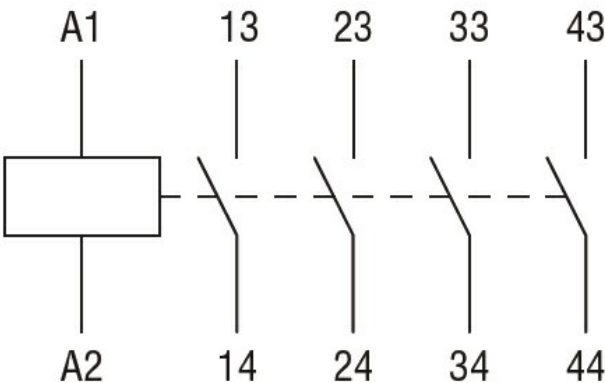
Resistance & Protection

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