



Product designation	Auxiliary contactor BG00		
Product type designation			
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	mm ²	0.8
	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
Mechanical features			
Operating position	normal allowable		Vertical plan ±30°
Fixing			Screw / DIN rail 35mm
Weight	g	200	
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 50/60Hz	V	400
AC operating voltage		
of 50/60Hz coil powered at 50Hz		
pick-up	min	%Us 75
	max	%Us 115
drop-out	min	%Us 20
	max	%Us 55
of 50/60Hz coil powered at 60Hz		
pick-up	min	%Us 80
	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 $\leq 20^\circ\text{C}$ 50Hz	W	0.9
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
		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

Rated operational voltage AC (UL)	V	600
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General USE

Contactor	AC current	A	10
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Contact rating of auxiliary contacts according to UL A600 - Q600

Ambient conditions

Temperature

Operating temperature	min	°C	-50
	max	°C	+70

Storage temperature

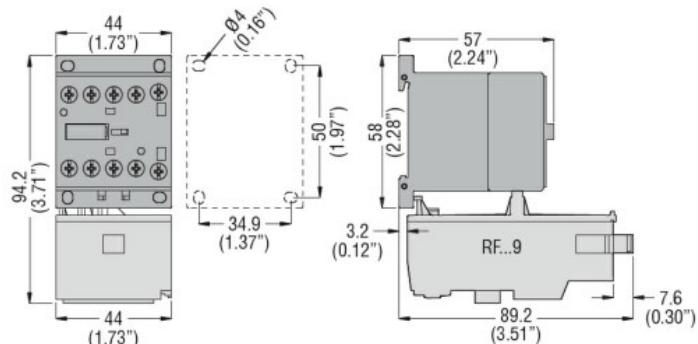
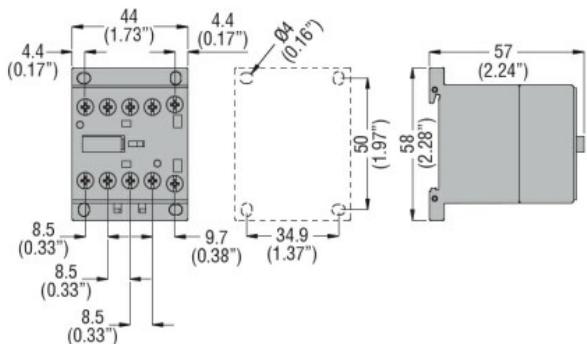
	min	°C	-60
	max	°C	+80

Max altitude m 3000

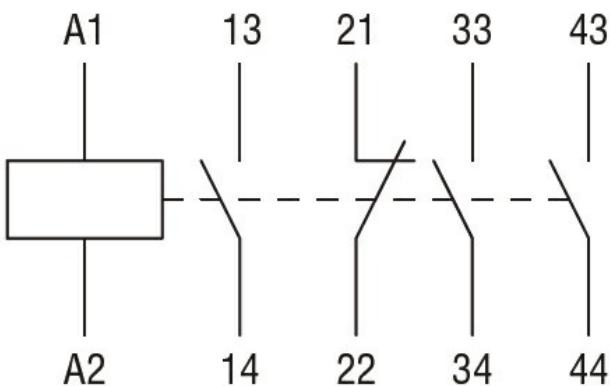
Resistance & Protection

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

UI 60947-1

UI 60947-5-1

Certificates

clonus

COLUMBIA

ETIM classification

ETIM 8.0

EC000196 -
Contactor relay