



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	187		
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	230
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
	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

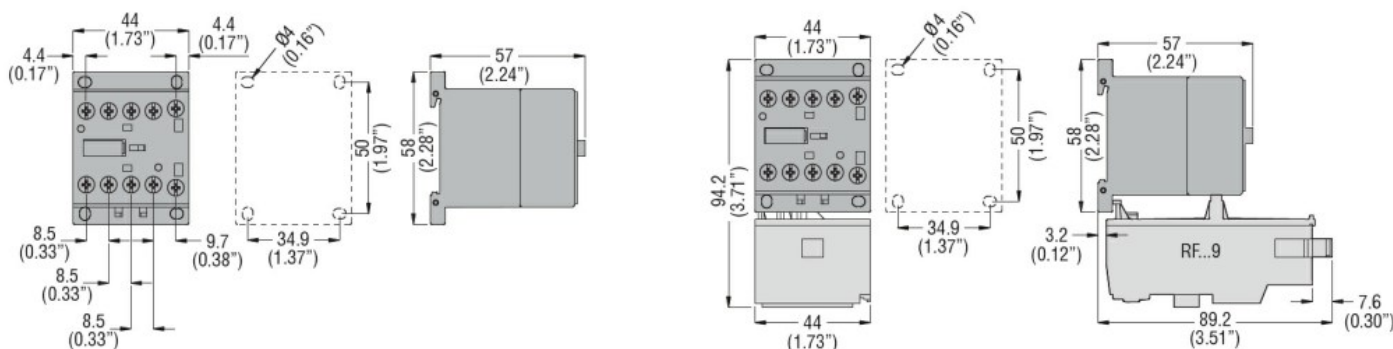
min °C -60
max °C +80

Max altitude m 3000

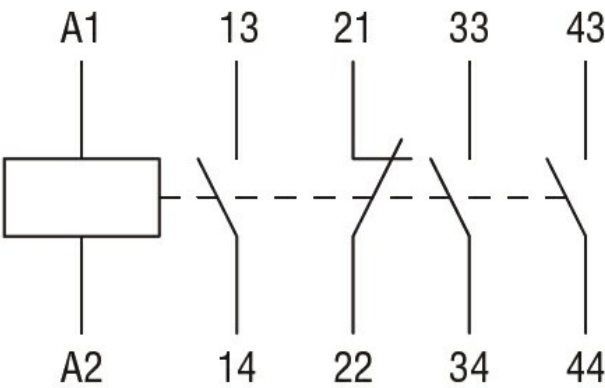
Resistance & Protection

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
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