

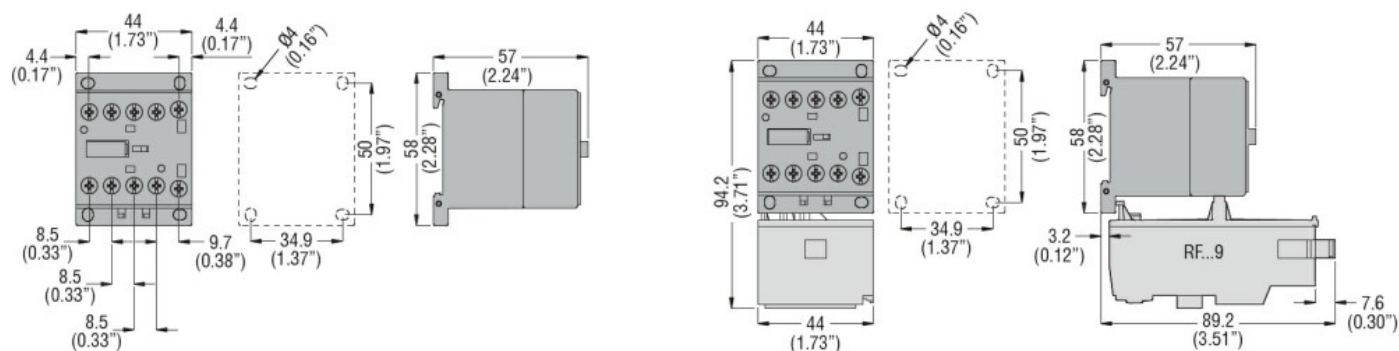


Product designation			Auxiliary contactor
Product type designation			BG00
Contact characteristics			
Number of poles	Nr.	4	
Rated insulation voltage Ui IEC/EN	V	690	
Rated impulse withstand voltage Uimp	kV	6	
Operational frequency	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	A	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 wired
Mechanical features			
Operating position	normal	Vertical plan	
	allowable	±30°	
Fixing			Screw / DIN rail 35mm
Weight	g	179	
Conductor section			

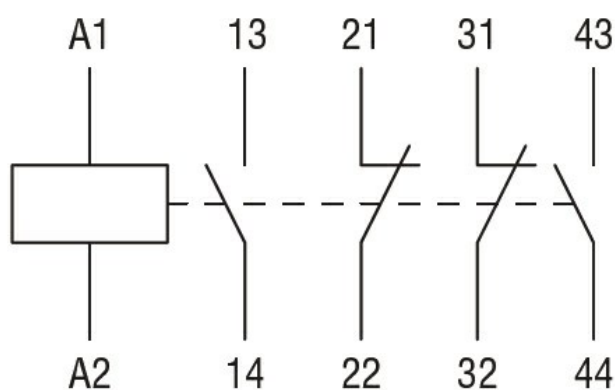
AWG/kcmil conductor section

		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 contats according to IEC/EN 609474-4-1		YES	
EMC compatibility		yes	
AC coil operating			
Rated AC voltage at 50/60Hz		V	110
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 ≤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
			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				
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