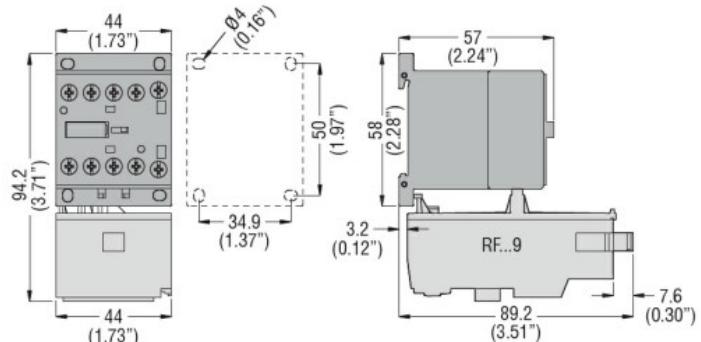
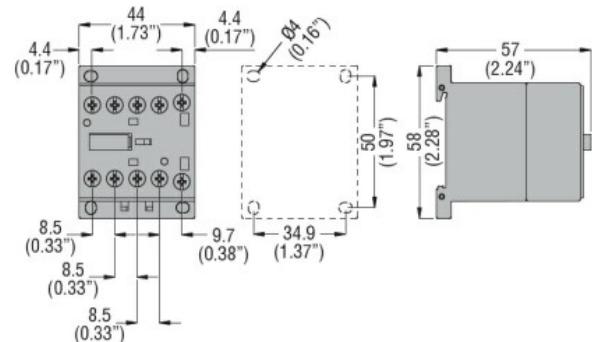




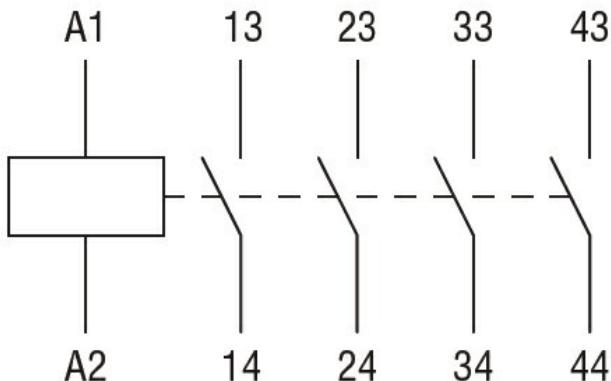
Product designation	Auxiliary contactor		
Product type designation	BG00		
Contact characteristics			
Number of poles	Nr.	4	
Rated insulation voltage Ui IEC/EN	V	690	
Rated impulse withstand voltage Uimp	kV	6	
Operational frequency	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	A	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	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	
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 contacts 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 $\leq 20^{\circ}\text{C}$ 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		
General USE		
Contactor	AC current	A 160
Contact rating of auxiliary contacts according to UL		A600 - Q600
Ambient conditions		
Temperature		
Operating temperature	min	$^{\circ}\text{C}$ -50
	max	$^{\circ}\text{C}$ +70
Storage temperature	min	$^{\circ}\text{C}$ -60
	max	$^{\circ}\text{C}$ +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

CCC

cULus

EAC

ETIM classification

ETIM 8.0

EC000196 -
Contactor relay