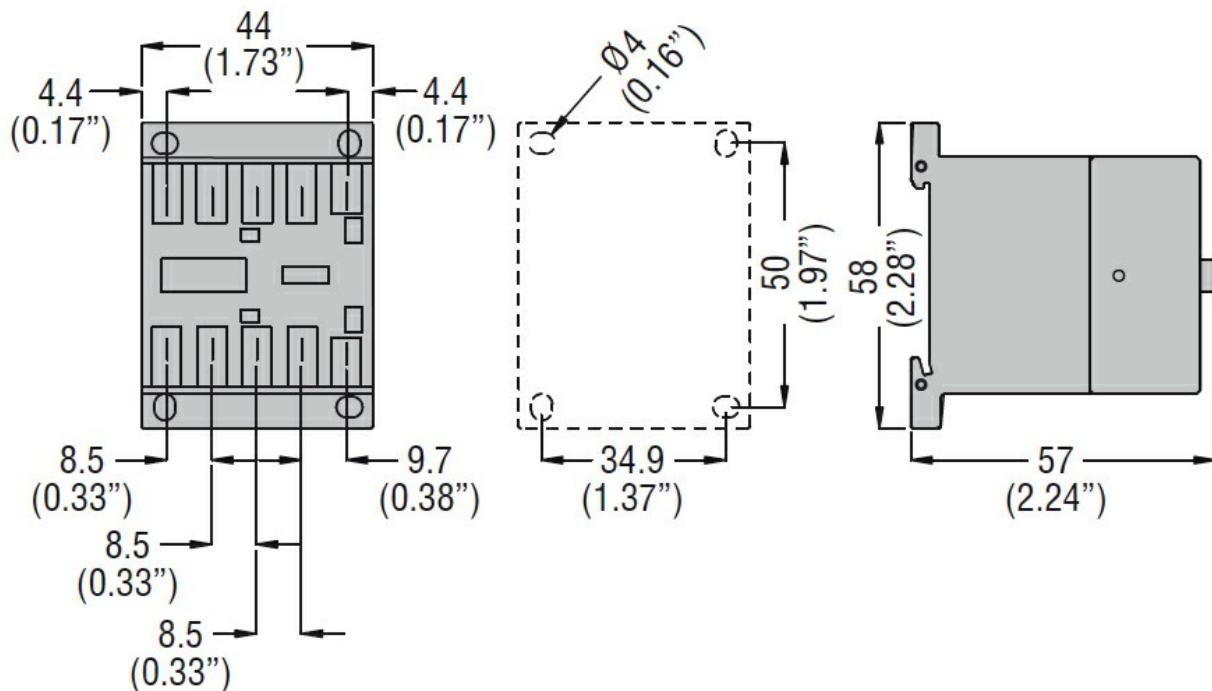




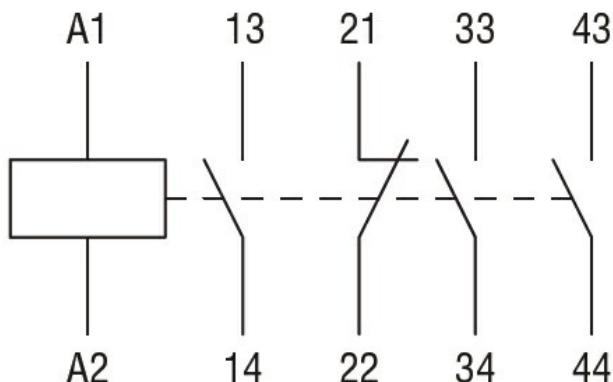
Product designation	Auxiliary contactor BGF00		
Product type designation			
Contact characteristics			
Number of poles	Nr.	4	
Rated insulation voltage Ui IEC/EN	V	690	
Rated impulse withstand voltage Uimp	kV	6	
Operational frequency	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	A	10	
Short-time allowable current for 10s (IEC/EN60947-1)	A	0	
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	0.75
	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 when properly wired		
Mechanical features			
Operating position	normal		Vertical plan
	allowable		±30°
Fixing	Screw / DIN rail 35mm		

Weight		g	180	
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	1.1	
	125V	A	0.3	
	220V	A	0.1	
	600V	A	0.6	
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 $\leq 20^\circ\text{C}$ 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
Opening NO		max	ms	21

		min	ms	9
		max	ms	18
Closing NC				
		min	ms	17
		max	ms	26
Opening NC				
		min	ms	7
		max	ms	17
<hr/>				
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
<hr/>				
UL technical data				
Rated operational voltage AC (UL)		V		600
Contact rating of auxiliary contacts according to UL				A600 - Q600
<hr/>				
Ambient conditions				
Temperature				
Operating temperature				
		min	°C	-50
		max	°C	+70
<hr/>				
Storage temperature				
		min	°C	-60
		max	°C	+80
<hr/>				
Max altitude		m		3000
<hr/>				
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