



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 max	Hz Hz	25 400
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 max min max	Nm Nm lbin lbin	0.8 1 9 9
Tightening torque for coil terminal	min max min max	Nm Nm lbin lbin	0.8 1 9 9
Max number of wires simultaneously connectable	Nr.	2	
Conductor section			
AWG/Kcmil	max	12	
Flexible w/o lug conductor section	min max	mm ² mm ²	0.75 2.5
Flexible c/w lug conductor section	min max	mm ² mm ²	1.5 2.5
Flexible with insulated spade lug conductor section	min max	mm ² mm ²	1.5 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	220	
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	
DC coil operating				
DC rated control voltage		V	220	
DC operating voltage				
pick-up		min	%Us	75
		max	%Us	115
drop-out		min	%Us	10
		max	%Us	25
Average coil consumption $\leq 20^\circ\text{C}$				
		in-rush	W	3.2
		holding	W	3.2
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

Contact rating of auxiliary contacts according to UL A600 - Q600

Ambient conditions

Temperature

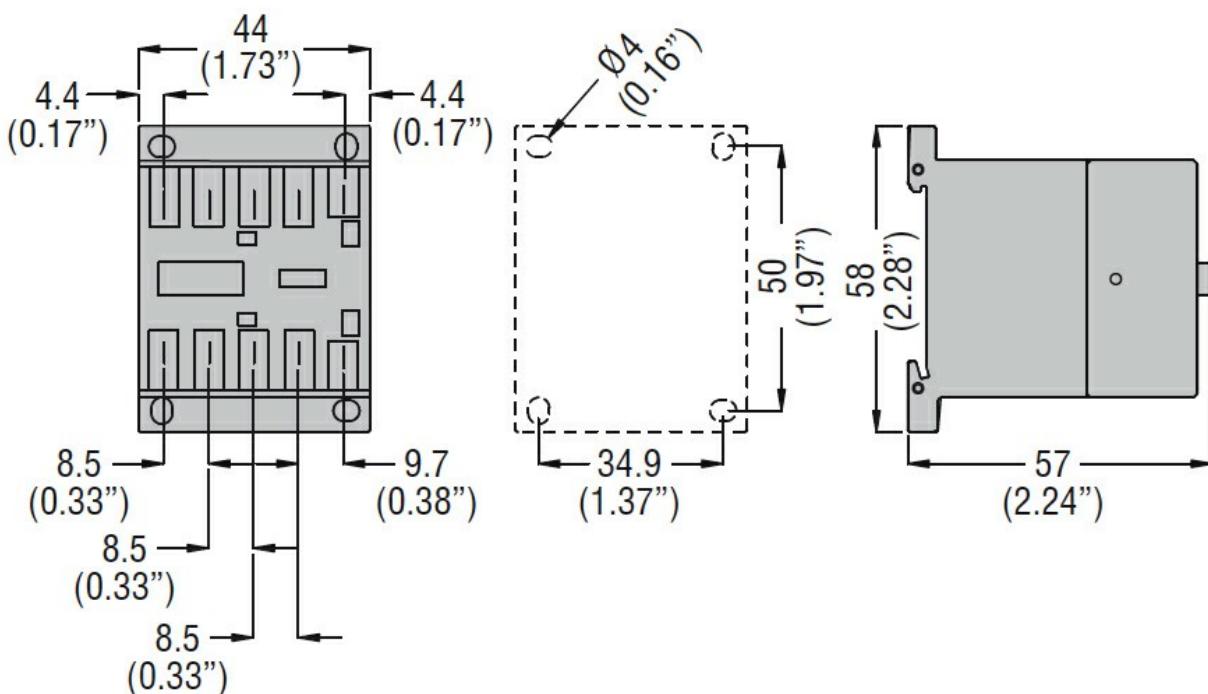
Operating temperature	min	°C	-50
	max	°C	+70
Storage temperature	min	°C	-60
	max	°C	+80

Max altitude m 3000

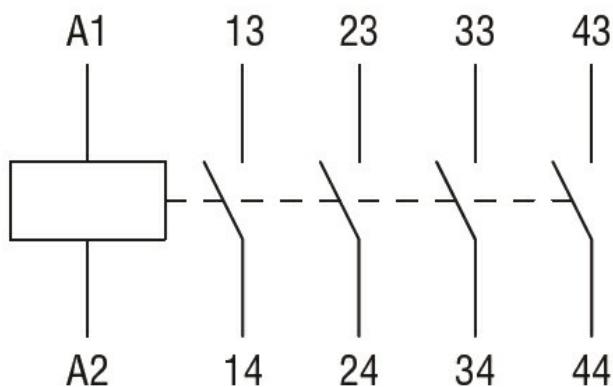
Resistance & Protection

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

CCC
cULus
EAC

ETIM classification

ETIM 8.0

EC000196 -
Contactor relay