



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	222
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	110
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

UI technical data

Rated operational voltage AC (UL)	V	600
Contact rating of auxiliary contacts according to UL		A600 - Q600

Contact rating of auxiliary contacts according to UL Ambient conditions

A600 - Q600

Ambient conditions

Temperature

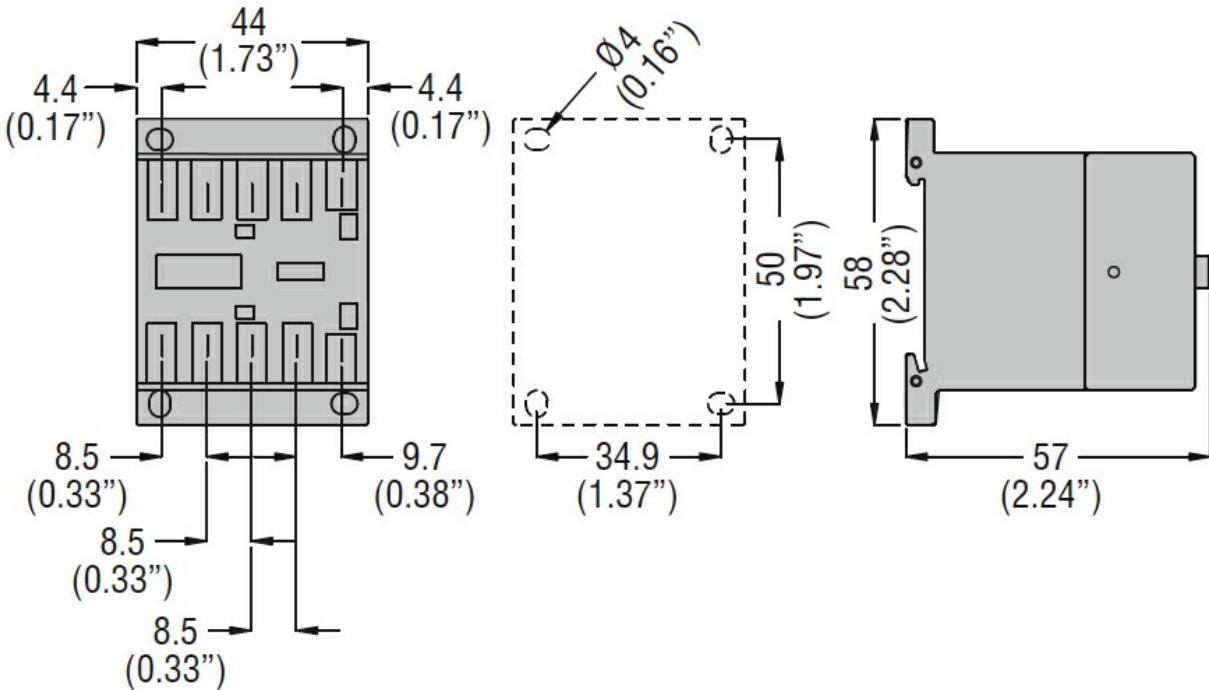
Operating temperature	min	°C	-50
	max	°C	+70
Storage temperature	min	°C	-60
	max	°C	+80
Max altitude		m	3000

Max altitude

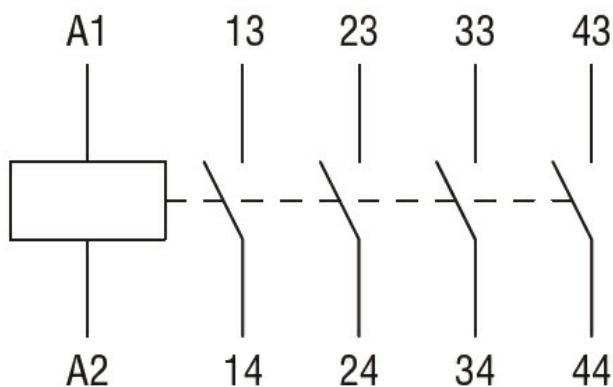
Resistance & Protection

Pollution degree

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