



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
			max	Hz
IEC Conventional free air thermal current Ith			A	10
Protection fuse			gG (IEC)	A
			16	
Tightening torque for terminals			min	Nm
			max	Nm
			min	lbin
			max	lbin
Tightening torque for coil terminal			min	Nm
			max	Nm
			min	lbin
			max	lbin
Max number of wires simultaneously connectable			Nr.	2
Conductor section				
AWG/Kcmil			max	
			12	
Flexible w/o lug conductor section			min	mm²
			max	mm²
Flexible c/w lug conductor section			min	mm²
			max	mm²
Flexible with insulated spade lug conductor section			min	mm²
			max	mm²
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	186
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
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 ≤20°C 50Hz		W	0.95
Max cycles frequency			
Mechanical operation		cycles/h	3600
Operating times			
Average time for U _s control			
in AC			
Closing NO	min	ms	12
	max	ms	21
Opening NO	min	ms	9

in DC	Closing NC	max	ms	18
		min	ms	17
	Opening NC	max	ms	26
		min	ms	7
		max	ms	17
	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
General USE		

Contactor

	AC current	A	10
Contact rating of auxiliary contacts according to UL			A600 - Q600

Ambient conditions

Temperature

Operating temperature

min	°C	-50
max	°C	+70

Storage temperature

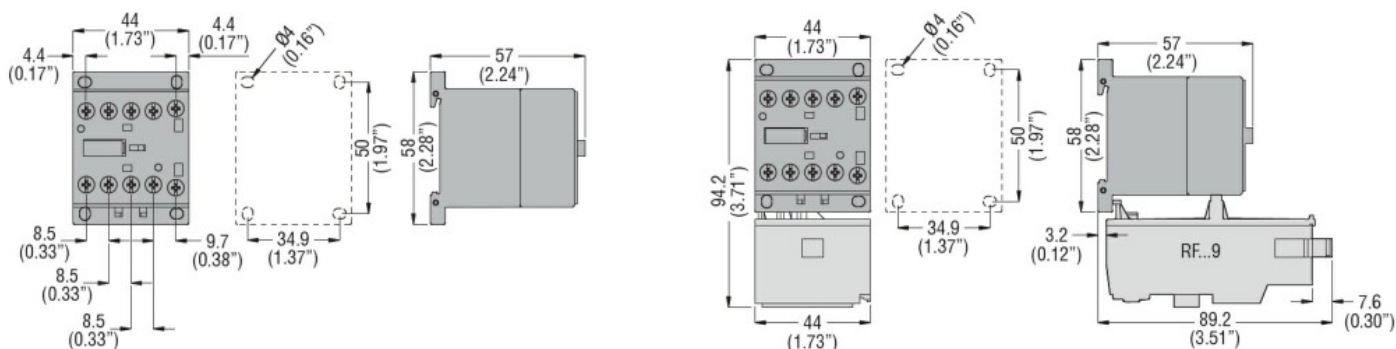
min	°C	-60
max	°C	+80

Max altitude	m	3000
--------------	---	------

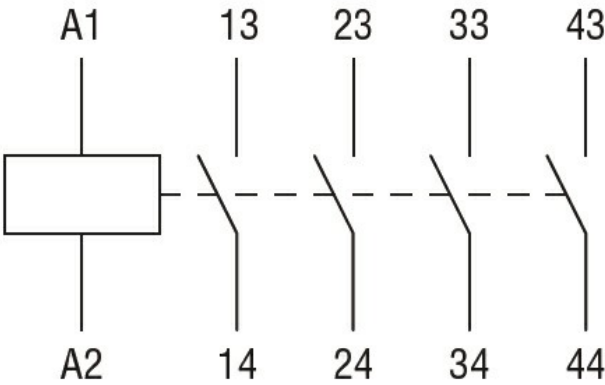
Resistance & Protection

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
----------	-------------------------------