



				Ailiam.
Product designation				Auxiliary
Product type designat	ion			contactor BG00
Contact characteristics				BG00
Number of poles			Nr.	4
Rated insulation voltage	re Hi IFC/FN		V	690
Rated impulse withsta			kV	6
Operational frequency	•		K V	
Operational frequency		min	Hz	25
		max	Hz	400
IEC Conventional free	air thermal current Ith	Παχ	A	10
Protection fuse	all thermal current ith			10
i iotection iuse		gG (IEC)	Α	16
Tightening torque for t	corminals	gG (ILC)		10
rightening torque for t	eminais	min	Nm	0.8
			Nm	1
		max min	Ibin	9
		max	Ibin	9
Tightening torque for o	coil terminal	Παλ	10111	
righterning torque for t	Son terminal	min	Nm	0.8
		max	Nm	1
		min	Ibin	9
		max	lbin	9
Max number of wires	simultaneously connectable	Παλ	Nr.	2
Conductor section	simularicously connectable		1 11.	
Conductor Section	AWG/Kcmil			
	AWO/Rohiii	max		12
	Flexible w/o lug conductor section	Παλ		12
	rickibic w/o lug conductor section	min	mm²	0.75
		max	mm²	2.5
	Flexible c/w lug conductor section	Παλ	111111	2.0
	rickibic of windy corrector section	min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section	max		2.0
	r lexible with insulated space lag conductor section	min	mm²	1.5
		max	mm²	2.5
		max		IP20 when
Power terminal protection according to IEC/EN 60529				properly wired
Mechanical features				
Operating position				
, 5,,,,,,		normal		Vertical plan
		allowable		±30°
				Screw / DIN rail
Fixing				35mm
Weight			g	212
5			3	



Conductor section

	AWG/kcmil conducto	r section			
			max		12
Auxiliary contact chara	cteristics				
Thermal current Ith				Α	10
IEC/EN 60947-5-1 des	signation				A600 - Q600
Operating current AC1	5				
			230V	Α	3
			400V	Α	1.9
			500V	Α	1.4
Operating current DC1	2				
			110V	Α	2.9
Operating current DC1	3				
			24V	Α	2.9
			48V	Α	1.4
			60V	Α	1.2
			110V	Α	0.6
			125V	Α	0.55
			220V	Α	0.3
			600V	Α	0.1
Operations					
Mechanical life				cycles	20000000
Safety related data					
Performance level B10	d according to EN/ISC	D 13489-1			
			mechanical load	cycles	20000000
Mirror contats according	ng to IEC/EN 609474-4	-1			YES
EMC compatibility					yes
DC coil operating					
DC rated control voltage	је			V	110
DC operating voltage					
	pick-up				
			min	%Us	75
			may	%Us	115
	drop-out		max	7003	110
	arop-out		IIIdX	7003	110
	αιορ-οαι		min	%Us	10
	αιορ-οαι				
Average coil consumption	·		min	%Us	10
Average coil consump	·		min	%Us	10 20
Average coil consump	·		min max in-rush	%Us %Us	10
Average coil consumpt  Max cycles frequency	·		min max	%Us %Us W	10 20 3.2
Max cycles frequency	·		min max in-rush	%Us %Us W W	10 20 3.2 3.2
	·		min max in-rush	%Us %Us W	10 20 3.2 3.2
Max cycles frequency Mechanical operation	tion ≤20°C		min max in-rush	%Us %Us W W	10 20 3.2 3.2
Max cycles frequency Mechanical operation Operating times	tion ≤20°C		min max in-rush	%Us %Us W W	10 20 3.2 3.2
Max cycles frequency Mechanical operation Operating times	tion ≤20°C	Closing NO	min max in-rush	%Us %Us W W	10 20 3.2 3.2
Max cycles frequency Mechanical operation Operating times	tion ≤20°C	Closing NO	min max in-rush	%Us %Us W W	10 20 3.2 3.2
Max cycles frequency Mechanical operation Operating times	tion ≤20°C	Closing NO	min max in-rush holding	%Us %Us W W	10 20 3.2 3.2 3600
Max cycles frequency Mechanical operation Operating times	tion ≤20°C	Closing NO Opening NO	min max in-rush holding min	%Us %Us W W cycles/h	10 20 3.2 3.2 3600
Max cycles frequency Mechanical operation Operating times	tion ≤20°C	-	min max in-rush holding min	%Us %Us W W cycles/h	10 20 3.2 3.2 3600
Max cycles frequency Mechanical operation Operating times	tion ≤20°C	-	min max in-rush holding min max	%Us %Us W W cycles/h	10 20 3.2 3.2 3600
Max cycles frequency Mechanical operation Operating times	tion ≤20°C	-	min max in-rush holding min max min max	%Us %Us W W cycles/h	10 20 3.2 3.2 3600
Max cycles frequency Mechanical operation Operating times	tion ≤20°C	Opening NO	min max in-rush holding min max min max	%Us %Us W W cycles/h	10 20 3.2 3.2 3600
Max cycles frequency Mechanical operation Operating times	tion ≤20°C	Opening NO	min max in-rush holding min max min max min max	%Us %Us W W cycles/h ms ms	10 20 3.2 3.2 3600 12 21 9 18

AC current

10



## Opening NC

	Gp 5 g			
		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

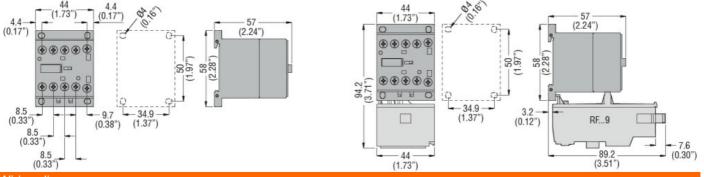
## UL technical data

General USE

Contactor

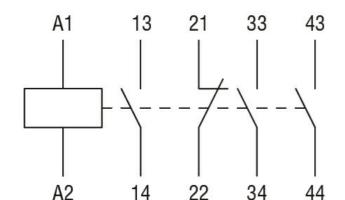
Contact rating of aux	iliary contacts according to UL			A600 - Q600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	+70
	Storage temperature			_
		min	°C	-60
		max	°C	+80
Max altitude			m	3000
Resistance & Protec	tion			
Pollution degree				3

## **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