



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	25
	max	Hz	400
IEC Conventional free air thermal current Ith		Α	10
Protection fuse			
gC	G (IEC)	Α	16
Tightening torque for terminals	,		
	min	Nm	0.8
	max	Nm	1
	min	lbin	9
	max	lbin	9
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	lbin	9
	max	lbin	9
Max number of wires simultaneously connectable		Nr.	2
Conductor section			_
AWG/Kcmil			
	max		12
Flexible w/o lug conductor section			_
	min	mm²	0.75
	max	mm²	2.5
Flexible c/w lug conductor section			
	min	mm²	1.5
	max	mm²	2.5
Flexible with insulated spade lug conductor section			
	min	mm²	1.5
	max	mm²	2.5
Power terminal protection according to IEC/EN 60529			IP20 when
			properly wired
Mechanical features			
Operating position			Manthaalistoo
	normal		Vertical plan
alle	owable		±30°
Fixing			Screw / DIN rail 35mm
Weight		~	222
Weight		g	<b>444</b>



Conductor section					
	AWG/kcmil conduc	ctor section			
A. a. Wang, and a stack all and	at a start a c		max		12
Auxiliary contact characteristics Thermal current Ith	cteristics			۸	10
IEC/EN 60947-5-1 des	rianation			Α	A600 - Q600
Operating current AC1	-				A600 - Q600
Operating current ACT	5		230V	Α	3
			400V	A	1.9
			500V	A	1.4
Operating current DC1	2				
operating amount a co	_		110V	Α	2.9
Operating current DC1	3				
operating amount a co			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	od according to EN/I	SO 13489-1			
			mechanical load	cycles	20000000
Mirror contats according	ng to IEC/EN 609474	1-4-1			YES
EMC across at latter.					
EMC compatibility					yes
DC coil operating					
DC coil operating DC rated control voltage	ge			V	yes 24
DC coil operating				V	
DC coil operating DC rated control voltage	ge pick-up				24
DC coil operating DC rated control voltage			min	%Us	24 75
DC coil operating DC rated control voltage	pick-up		min max		24
DC coil operating DC rated control voltage			max	%Us %Us	75 115
DC coil operating DC rated control voltage	pick-up		max min	%Us %Us %Us	24 75 115
DC coil operating DC rated control voltage DC operating voltage	pick-up drop-out		max	%Us %Us	75 115
DC coil operating DC rated control voltage	pick-up drop-out		max min max	%Us %Us %Us %Us	75 115 10 20
DC coil operating DC rated control voltage DC operating voltage	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us %Us	24 75 115 10 20 3.2
DC coil operating DC rated control voltage DC operating voltage  Average coil consumption	pick-up drop-out		max min max	%Us %Us %Us %Us	75 115 10 20
DC coil operating DC rated control voltage DC operating voltage  Average coil consumpt  Max cycles frequency	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us W W	75 115 10 20 3.2 3.2
DC coil operating DC rated control voltage DC operating voltage  Average coil consumpt  Max cycles frequency Mechanical operation	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us %Us	75 115 10 20 3.2 3.2
DC coil operating DC rated control voltage DC operating voltage  Average coil consumpt  Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C		max min max in-rush	%Us %Us %Us %Us W W	75 115 10 20 3.2 3.2
DC coil operating DC rated control voltage DC operating voltage  Average coil consumpt  Max cycles frequency Mechanical operation	pick-up drop-out tion ≤20°C		max min max in-rush	%Us %Us %Us %Us W W	75 115 10 20 3.2 3.2
DC coil operating DC rated control voltage DC operating voltage  Average coil consumpt  Max cycles frequency Mechanical operation Operating times	pick-up  drop-out  tion ≤20°C	Closing NO	max min max in-rush	%Us %Us %Us %Us W W	75 115 10 20 3.2 3.2
DC coil operating DC rated control voltage DC operating voltage  Average coil consumpt  Max cycles frequency Mechanical operation Operating times	pick-up  drop-out  tion ≤20°C	Closing NO	max min max in-rush	%Us %Us %Us %Us W W	75 115 10 20 3.2 3.2
DC coil operating DC rated control voltage DC operating voltage  Average coil consumpt  Max cycles frequency Mechanical operation Operating times	pick-up  drop-out  tion ≤20°C	Closing NO	max min max in-rush holding	%Us %Us %Us %Us W W	75 115 10 20 3.2 3.2 3600
DC coil operating DC rated control voltage DC operating voltage  Average coil consumpt  Max cycles frequency Mechanical operation Operating times	pick-up  drop-out  tion ≤20°C	Closing NO Opening NO	max min max in-rush holding	%Us %Us %Us %Us W W	75 115 10 20 3.2 3.2 3600
DC coil operating DC rated control voltage DC operating voltage  Average coil consumpt  Max cycles frequency Mechanical operation Operating times	pick-up  drop-out  tion ≤20°C		max min max in-rush holding	%Us %Us %Us %Us W W	24  75 115  10 20  3.2 3.2 3600
DC coil operating DC rated control voltage DC operating voltage  Average coil consumpt  Max cycles frequency Mechanical operation Operating times	pick-up  drop-out  tion ≤20°C	Opening NO	max min max in-rush holding min max	%Us %Us %Us %Us W W cycles/h	75 115 10 20 3.2 3.2 3600
DC coil operating DC rated control voltage DC operating voltage  Average coil consumpt  Max cycles frequency Mechanical operation Operating times	pick-up  drop-out  tion ≤20°C		min max in-rush holding min max min max	%Us %Us %Us %Us W W cycles/h	75 115 10 20 3.2 3.2 3600
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DC coil operating DC rated control voltage DC operating voltage  Average coil consumpt  Max cycles frequency Mechanical operation Operating times	pick-up  drop-out  tion ≤20°C	Opening NO	min max in-rush holding min max min max	%Us %Us %Us %Us W W cycles/h	75 115 10 20 3.2 3.2 3600

AC current

10

Α



# 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

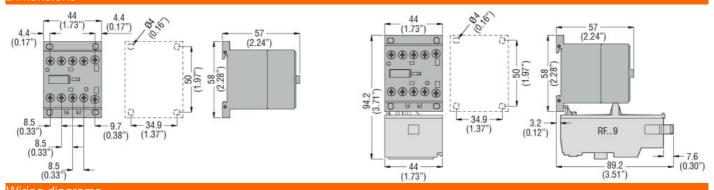
## UL technical data

## 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

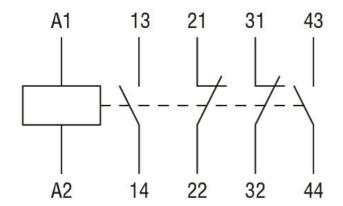
### **Dimensions**



Wiring diagrams



**ENERGY AND AUTOMATION** 



### 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