



Product designation				Auxiliary contactor
Product type designat			BG00	
Contact characteristic				
Number of poles		Nr.	4	
Rated insulation voltage		V	690	
Rated impulse withsta	and voltage Uimp		kV	6
Operational frequency	1			
		min	Hz	25
		max	Hz	400
IEC Conventional free		Α	10	
Protection fuse				
		gG (IEC)	Α	16
Tightening torque for t	terminals			
5 5 1		min	Nm	0.8
		max	Nm	1
		min	lbin	9
		max	lbin	9
Tightening torque for	coil terminal			
3 3 1		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			
	, (11 G), (6)	max		12
	Flexible w/o lug conductor section	тах		
	Tionible with rag defiductor dedition	min	mm²	0.75
		max	mm²	2.5
	Flexible c/w lug conductor section	тах		2.0
	Tioxible 6/W lug contactor scottori	min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section	тах		2.0
	. Ionizio mai modiatod opado lag obiladotol dottoli	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				
, 31		normal		Vertical plan
		allowable		±30°
				Screw / DIN rail
Fixing				35mm
Weight			g	182
9			3	<del>-</del> –



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Conductor section				
	AWG/kcmil conductor section			
A 10		max		12
Auxiliary contact chara	cteristics		^	10
Thermal current Ith IEC/EN 60947-5-1 des	pignation		Α	10 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			
operaning carroin a co		110V	Α	2.9
Operating current DC1	3			
1 0		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	0 Lancas II as to FN/IOO 10100 1			
Performance level B10	0d according to EN/ISO 13489-1			0000000
Missas contata consulis		mechanical load	cycles	20000000 YES
EMC compatibility	ng to IEC/EN 609474-4-1			
				yes
AC coil operating Rated AC voltage at 50	0/60Hz		V	230
Rated AC voltage at 50	0/60Hz		V	230
			V	230
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz		V	230
Rated AC voltage at 50		min	V %Us	230 75
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz	min max		
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz		%Us	75
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up		%Us	75
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up drop-out	max	%Us %Us	75 115
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz	max min	%Us %Us %Us	75 115 20
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up drop-out	max min max	%Us %Us %Us %Us	75 115 20 55
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz	max min max min	%Us %Us %Us %Us	75 115 20 55
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up	max min max	%Us %Us %Us %Us	75 115 20 55
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz	max min max min max	%Us %Us %Us %Us %Us	75 115 20 55 80 115
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up	max min max  min max  min max	%Us %Us %Us %Us %Us	75 115 20 55 80 115
Rated AC voltage at 50 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out	max min max min max	%Us %Us %Us %Us %Us	75 115 20 55 80 115
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out	max min max  min max  min max	%Us %Us %Us %Us %Us	75 115 20 55 80 115
Rated AC voltage at 50 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out	max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55
Rated AC voltage at 50 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out	max min max min max min max in-rush	%Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55
Rated AC voltage at 50 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out  drop-out	max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55
Rated AC voltage at 50 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out	max min max min max min max in-rush	%Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55
Rated AC voltage at 50 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out  drop-out	max min max min max min max in-rush holding	%Us %Us %Us %Us %Us %Us %Us	75 115 20 55 80 115 20 55
Rated AC voltage at 50 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out  drop-out	max min max min max min max in-rush holding in-rush	%Us %Us %Us %Us %Us %Us %Us VA VA	75 115 20 55 80 115 20 55 30 4
Rated AC voltage at 50 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out  drop-out  of 50/60Hz coil powered at 50Hz  of 50/60Hz coil powered at 60Hz	max min max min max min max in-rush holding in-rush	%Us %Us %Us %Us %Us %Us %Us VA VA	75 115 20 55 80 115 20 55 30 4

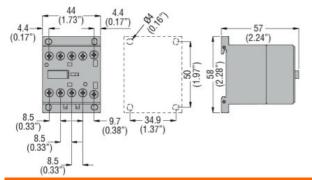


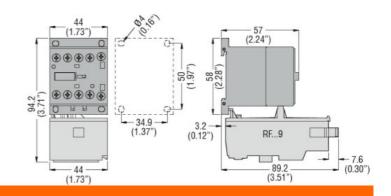
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			holding	VA	4
Dissipation at holdin	g ≤20°C 50Hz			W	0.95
Max cycles frequence	;y				
Mechanical operation	n		(	cycles/h	3600
Operating times					
Average time for Us					
	in AC	01 1 110			
		Closing NO			40
			min	ms	12
		Opening NO	max	ms	21
		Opening NO	min	ms	9
			max	ms	18
		Closing NC	IIIax	1113	10
		Glosing 140	min	ms	17
			max	ms	26
		Opening NC	····	3	
		apag	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		A.O	۸	40
Contact ration of any	iliam ( acata ata a acaawalia	- to I II	AC current	Α	10
Ambient conditions	iliary contacts according	g to UL			A600 - Q600
Temperature	Operating temperat	uro			
	Operating temperat	ui <del>c</del>	min	°C	-50
			max	°C	+70
	Storage temperatur	'e	Παλ		170
	Ciorago iomperatur	•	min	°C	-60
			max	°C	+80
Max altitude			Пих	m	3000
Resistance & Protect	ction				
Pollution degree					3
Dimensions					

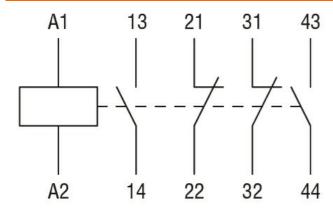


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## Wiring diagrams



## 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