



Product designation			auxiliary contactor
Product type designation			BG00
Contact characteristics			2000
Number of poles		nr.	4
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
		KV	0
Operational frequency			0.5
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		Α	10
Operational current le			
	AC-1 (≤40°C)	Α	160
Short-time allowable current for 10s (IEC/EN60947-1)		Α	0
Protection fuse			
	gG (IEC)	Α	16
Tightening torque for terminals	3 - (- /		
riginormig to que les terminaie	min	Nm	0.8
	max	Nm	1
	min	Ibin	0.6
		lbin	0.7
Tightoning targue for call tarminal	max	IDIII	0.7
Tightening torque for coil terminal		N	0.0
	min	Nm	0.8
	max	Nm	1
	min	Ibft	0.59
	max	Ibft	0.74
Max number of wires simultaneously connectable		nr.	2
Conductor section			
Flexible w/o lug conductor section			
·	min	mm²	0.8
	max	mm²	2.5
Flexible c/w lug conductor section			
Tioxisia of thiag activation accounts	min	mm²	1.5
	max	mm²	2.5
Flexible with insulated spade lug conductor section			2.0
i lexible with insulated space ldy conductor section	min	mm²	1.5
		mm²	2.5
Device towning protection according to IFC/FN C0500	max	ППП	
Power terminal protection according to IEC/EN 60529			IP20
Mechanical features			
Operating position			
	normal		vertical plan
	allowable		±30°
Fixing			Screw / DIN rail
i iziliy			35mm
Weight		g	200
Auxiliary contact characteristics			



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			3 NO + 1 NC
Thermal current Ith		Α	10
IEC/EN 60947-5-1 designation			A600 - Q600
Operating current AC15			
	230V	Α	3
	400V	Α	1.9
	500V	Α	1.4
Operating current DC12			
	110V	Α	2.9
Operating current DC13			
	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 B10d according to EN/ISO 13489-1			
3	mechanical load	cycles	20000000
Mirror contats according to IEC/EN 609474-4-1		0,0.00	true
EMC compatibility			true
AC coil operating			truc
Rated AC voltage at 50/60Hz, 60Hz			
Trated Ac Voltage at 30/00112, 00112	min	V	12
	max	V	575
AC operating voltage	IIIax	V	373
· · · · · · · · · · · · · · · · · · ·			
of 50/60Hz coil powered at 50Hz			
pick-up		0/11-	7.5
	min	%Us	75 445
	max	%Us	115
drop-out		0/11	
	min	%Us	20
	max	%Us	55
of 50/60Hz coil powered at 60Hz			
of 50/60Hz coil powered at 60Hz pick-up			
·	min	%Us	80
pick-up	min max	%Us %Us	80 115
·	max	%Us	115
pick-up		%Us %Us	115 20
pick-up drop-out	max	%Us	115
pick-up	max min	%Us %Us	115 20
pick-up drop-out	max min	%Us %Us	115 20
pick-up drop-out AC operating voltage at 20°C	max min	%Us %Us	115 20
pick-up drop-out AC operating voltage at 20°C	max min max	%Us %Us %Us	115 20 55
pick-up drop-out AC operating voltage at 20°C	max min max in-rush	%Us %Us %Us	115 20 55 30
pick-up drop-out AC operating voltage at 20°C of 50/60Hz coil powered at 50Hz	max min max in-rush	%Us %Us %Us	115 20 55 30
pick-up drop-out AC operating voltage at 20°C of 50/60Hz coil powered at 50Hz	max min max in-rush holding in-rush	%Us %Us %Us VA VA	115 20 55 30 4 25
AC operating voltage at 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz	max min max in-rush holding	%Us %Us %Us VA VA	115 20 55 30 4
pick-up drop-out AC operating voltage at 20°C of 50/60Hz coil powered at 50Hz	max min max in-rush holding in-rush holding	%Us %Us %Us VA VA	115 20 55 30 4 25 3
AC operating voltage at 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz	max min max in-rush holding in-rush	%Us %Us %Us VA VA	115 20 55 30 4 25



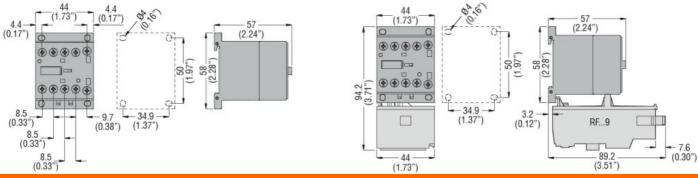
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Dissipation at holding	<20°C 50Hz			W	0.9
DC coil operating	=20 0 30HZ			VV	0.5
DC rated control volta	age				
	•		min	V	6
			max	V	250
Average coil consum	ption ≤20°C				
			in-rush	W	3.2
			holding	W	3.2
Max cycles frequency					
Mechanical operation	S			cycles/h	n 3600
Operating times					
Average time for Us of					
	in AC				
		Closing NO			
			min	ms	12
		On an in a NIO	max	ms	21
		Opening NO	min	ma	9
			min max	ms ms	9 18
		Closing NC	Шах	1115	10
		Clouding 140	min	ms	17
			max	ms	26
		Opening NC			
		- F	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			44
			min	ms	11
UL technical data			max	ms	17
	liary contacts according	ı to I II			A600 - Q600
General USE	nary cornacts according	1.0 OL			7000 - 4000
Conoral COL	Contactor				
	Contactor		AC current	Α	160
Ambient conditions			/ C duncin	/\	100
Temperature					
- 1	Operating temperatu	ıre			
	- 1		min	°C	-40
			max	°C	60
	Storage temperature)			
	5		min	°C	-55
			max	°C	70
Max altitude				m	3000
Resistance & Protect	ion				
Pollution degree					3

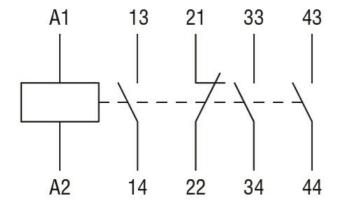


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Dimensions



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 6 classification

EC000066 - Power contactor, AC switching