



Product designation				Auxiliary
				contactor
Product type designate				BG00
Contact characteristics				
Number of poles			nr.	4
Rated insulation voltage			V	690
Rated impulse withsta	nd voltage Uimp		kV	6
Operational frequency				
		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 of	current for 10s (IEC/EN60947-1)		Α	0
Protection fuse	· · · · · · · · · · · · · · · · · · ·			
		gG (IEC)	Α	16
Tightening torque for to	erminals	<u> </u>		
		min	Nm	0.8
		max	Nm	1
		min	Ibin	0.59
		max	Ibin	0.74
Tightening torque for coil terminal				
3 3 1		min	Nm	0.8
		max	Nm	1
		min	lbft	0.8
		max	lbft	0.74
Max number of wires s	simultaneously connectable		nr.	2
Conductor section				
Conductor coolion	Flexible w/o lug conductor section			
	Tioxibio W/o lag conductor cocuon	min	mm²	0.75
		max	mm²	2.5
	Flexible c/w lug conductor section	max		
	Tioxibio 6/W lag defladator dedition	min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section	max		
	Tiexible with indulated spade lag conductor section	min	mm²	1.5
		max	mm²	2.5
Power terminal protec	tion according to IEC/EN 60529	тах		IP20 when wired
Mechanical features				ii 20 Wildii Wildu
Operating position			_	
Sporating position		normal		vertical plan
		allowable		±30°
		anowabie		Screw / DIN rail
Fixing				35mm
Weight			g	222
TTOIGHT			9	



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Auxiliary contact chara	cteristics			
Type of contact				2 NO + 2 NC
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	od according to EN/ISO 13489-1			
		mechanical load	cycles	20000000
Mirror contats according	ng to IEC/EN 609474-4-1			true
EMC compatibility				Yes
AC coil operating				
Rated AC voltage at 50	2/0011 0011			
	J/60HZ, 60HZ			
	0/60Hz, 60Hz	min	V	12
	0/60Hz, 60Hz	min max	V V	12 575
AC operating voltage a				
	at 20°C			
	at 20°C	max	V	575
	at 20°C	max in-rush	V	30
	at 20°C of 50/60Hz coil powered at 50Hz	max in-rush	V	30
	at 20°C of 50/60Hz coil powered at 50Hz	max in-rush holding	V VA VA	30 4
	at 20°C of 50/60Hz coil powered at 50Hz	in-rush holding in-rush	V VA VA	575 30 4 25
	of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz	in-rush holding in-rush	V VA VA	575 30 4 25
	of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz	in-rush holding in-rush holding	V VA VA VA	575 30 4 25 3
	of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz of 60Hz coil powered at 60Hz	in-rush holding in-rush holding in-rush	V VA VA VA VA	575 30 4 25 3
AC operating voltage a	of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz of 60Hz coil powered at 60Hz	in-rush holding in-rush holding in-rush	VAVAVA	575 30 4 25 3 30 4
AC operating voltage a	of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz of 60Hz coil powered at 60Hz ≤20°C 50Hz	in-rush holding in-rush holding in-rush	VAVAVA	575 30 4 25 3 30 4
AC operating voltage a	of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz of 60Hz coil powered at 60Hz ≤20°C 50Hz	in-rush holding in-rush holding in-rush	VAVAVA	575 30 4 25 3 30 4
AC operating voltage a	of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz of 60Hz coil powered at 60Hz ≤20°C 50Hz	in-rush holding in-rush holding in-rush holding	VAVAVA	575 30 4 25 3 30 4 0.9
AC operating voltage a	of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz of 60Hz coil powered at 60Hz ≤20°C 50Hz	in-rush holding in-rush holding in-rush holding in-rush holding	V VA	575 30 4 25 3 30 4 0.9
Dissipation at holding DC coil operating DC rated control voltage	of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz of 60Hz coil powered at 60Hz ≤20°C 50Hz	in-rush holding in-rush holding in-rush holding in-rush holding	V VA	575 30 4 25 3 30 4 0.9
Dissipation at holding DC coil operating DC rated control voltage	of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz of 60Hz coil powered at 60Hz ≤20°C 50Hz	in-rush holding in-rush holding in-rush holding in-rush holding	V VA	575 30 4 25 3 30 4 0.9
Dissipation at holding DC coil operating DC rated control voltage	of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz of 60Hz coil powered at 60Hz ≤20°C 50Hz	in-rush holding in-rush holding in-rush holding in-rush max	V VA	30 4 25 3 30 4 0.9
Dissipation at holding DC coil operating DC rated control voltage	of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz of 60Hz coil powered at 60Hz \$\frac{20^{\circ}}{20^{\circ}} \text{C 50Hz}	in-rush holding in-rush holding in-rush holding in-rush and in-rush holding min min max	V VA VA VA VA VA VA VA W VV V V	575 30 4 25 3 30 4 0.9
Dissipation at holding DC coil operating DC rated control voltage	of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz of 60Hz coil powered at 60Hz ≤20°C 50Hz	in-rush holding in-rush holding in-rush holding in-rush and in-rush holding min min max	V VA VA VA VA VA VA VA W VV V V	575 30 4 25 3 30 4 0.9
Dissipation at holding DC coil operating DC rated control voltage	of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz of 60Hz coil powered at 60Hz \$\frac{20^{\circ}}{20^{\circ}} \text{C 50Hz}	in-rush holding in-rush holding in-rush holding in-rush min max	V VA VA VA VA VA VA V V V V V V V *Us %Us	575 30 4 25 3 30 4 0.9 6 250 75 115
Dissipation at holding some DC coil operating DC rated control voltage DC operating voltage	of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz of 60Hz coil powered at 60Hz \$\frac{20^{\circ}}{20^{\circ}} \text{C 50Hz}	in-rush holding in-rush holding in-rush holding in-rush holding min max min max	V VA	575 30 4 25 3 30 4 0.9 6 250 75 115
Dissipation at holding DC coil operating DC rated control voltage	of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz of 60Hz coil powered at 60Hz \$\frac{20^{\circ}}{20^{\circ}} \text{C 50Hz}	in-rush holding in-rush holding in-rush holding in-rush holding min max min max	V VA	575 30 4 25 3 30 4 0.9 6 250 75 115

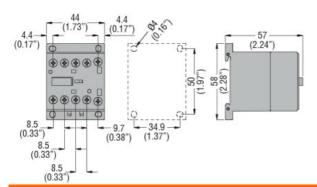


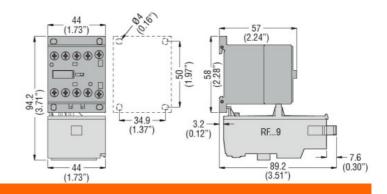
holding W 3.2

			holding	VV	3.2
Max cycles frequency					
Mechanical operations				cycles/h	3600
Operating times				c) c.cc,	
Average time for Us co	ontrol				
	in AC				
		Closing NO			
		3 -	min	ms	12
			max	ms	21
		Opening NO			
			min	ms	9
			max	ms	18
		Closing NC			. •
		Closing NC	•		47
			min	ms	17
			max	ms	26
		Opening NC			
		. •	min	ms	7
			max	ms	17
	in DC				
		Closing NO			
		•	min	ms	18
			max	ms	25
		0	IIIax	1115	23
		Opening NO			
			min	ms	2
			max	ms	3
		Closing NC			
		Closing 110	min	 .	2
			min	ms	3
			max	ms	5
		Opening NC			
			min	ms	11
				ms	17
LIL Cook Stock Late			max	1115	1 /
UL technical data					
Contact rating of auxilia	ary contacts according to	UL			A600 - Q600
General USE					
	Contactor				
	Contactor		A C	^	100
			AC current	Α	160
Ambient conditions					
Temperature					
•	Operating temperature				
	Sporating temperature			°C	-40
			min	°C	
			max	°C	60
	Storage temperature				
			min	°C	-55
			max	°C	70
NA104 - 1			Παλ		
Max altitude				m	3000
Resistance & Protection	on				
Pollution degree					3
Dimensions					
DITIONS ON S					

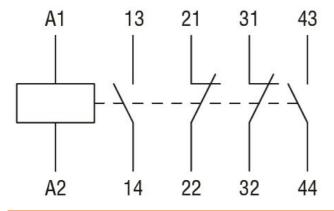


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Wiring diagrams



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 6 classification

EC000066 - Power contactor, AC switching