

Product designation				Auxiliary contactor
Product type designation				BG00
<b>Contact characteristics</b>				
Number of poles		Nr.	4	
Rated insulation voltage $U_i$ IEC/EN		V	690	
Rated impulse withstand voltage $U_{imp}$		kV	6	
Operational frequency		min	Hz	25
		max	Hz	400
IEC Conventional free air thermal current $I_{th}$		A	10	
Protection fuse		gG (IEC)	A	16
	Tightening torque for terminals			
		min	Nm	0.8
		max	Nm	1
		min	I <sub>bin</sub>	0.59
		max	I <sub>bin</sub>	0.74
Tightening torque for coil terminal				
		min	Nm	0.8
		max	Nm	1
		min	I <sub>bin</sub>	Prodotti finiti
		max	I <sub>bin</sub>	Prodotti finiti
Max number of wires simultaneously connectable		Nr.	2	
Conductor section				
Flexible w/o lug conductor section				
		min	mm <sup>2</sup>	0.75
		max	mm <sup>2</sup>	2.5
Flexible c/w lug conductor section				
		min	mm <sup>2</sup>	1.5
		max	mm <sup>2</sup>	2.5
Flexible with insulated spade lug conductor section				
		min	mm <sup>2</sup>	1.5
		max	mm <sup>2</sup>	2.5
Power terminal protection according to IEC/EN 60529				IP20 when wired
<b>Mechanical features</b>				
Operating position				
		normal allowable	Vertical plan ±30°	
Fixing				Screw / DIN rail 35mm
Weight		g	216	
<b>Auxiliary contact characteristics</b>				
Type of contact				2 NO + 2 NC
Thermal current $I_{th}$		A	10	
IEC/EN 60947-5-1 designation				A600 - Q600
Operating current AC15		230V	A	3
		400V	A	1.9
		500V	A	1.4
Operating current DC12		110V	A	2.9
	Operating current DC13			

24V	A	2.9
48V	A	1.4
60V	A	1.2
110V	A	0.6
125V	A	0.55
220V	A	0.3
600V	A	0.1

**Operations**

Mechanical life cycles 20000000

**Safety related data**

Performance level B10d according to EN/ISO 13489-1

mechanical load cycles 20000000

Mirror contacts according to IEC/EN 60947-4-1 YES

EMC compatibility Yes

**DC coil operating**

DC rated control voltage V 12

DC operating voltage

pick-up

min	%Us	75
max	%Us	115

drop-out

min	%Us	10
max	%Us	20

Average coil consumption  $\leq 20^{\circ}\text{C}$

in-rush	W	3.2
holding	W	3.2

**Max cycles frequency**

Mechanical operation cycles/h 3600

**Operating times**

Average time for  $U_s$  control

in AC

Closing NO

min	ms	12
max	ms	21

Opening NO

min	ms	9
max	ms	18

Closing NC

min	ms	17
max	ms	26

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

AC current	A	160
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Contact rating of auxiliary 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
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**Resistance & Protection**

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