

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°	
		Screw / DIN rail 35mm			
Fixing					
Weight				g 178	
<b>Auxiliary contact characteristics</b>					
Type of contact				3 NO + 1 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

Rated AC voltage at 60Hz V 460

### AC coil operating

AC operating voltage

of 60Hz coil powered at 60Hz

pick-up

min	%Us	75
max	%Us	115

drop-out

min	%Us	20
max	%Us	55

AC average coil consumption at 20°C

of 50/60Hz coil powered at 50Hz

in-rush	VA	30
holding	VA	4

of 50/60Hz coil powered at 60Hz

in-rush	VA	25
holding	VA	3

of 60Hz coil powered at 60Hz

in-rush	VA	30
holding	VA	4

Dissipation at holding ≤20°C 50Hz W 0.95

### Max cycles frequency

Mechanical operation cycles/h 3600

### Operating times

Average time for Us 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

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

### 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

CCC

cULus

EAC

### ETIM classification

ETIM 8.0

EC000196 -  
Contactor relay