

Product designation				Auxiliary contactor
Product type designation				BG00
Contact characteristics				
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 _{bin}	0.59
		max	I _{bin}	0.74
Tightening torque for coil terminal				
		min	Nm	0.8
		max	Nm	1
		min	I _{bin}	Prodotti finiti
		max	I _{bin}	Prodotti finiti
Max number of wires simultaneously connectable		Nr.	2	
Conductor section				
Flexible w/o lug conductor section				
		min	mm ²	0.75
		max	mm ²	2.5
Flexible c/w lug conductor section				
		min	mm ²	1.5
		max	mm ²	2.5
Flexible with insulated spade lug conductor section				
		min	mm ²	1.5
		max	mm ²	2.5
Power terminal protection according to IEC/EN 60529				IP20 when wired
Mechanical features				
Operating position				
		normal allowable	Vertical plan ±30°	
Fixing				Screw / DIN rail 35mm
Weight		g	179	
Auxiliary contact characteristics				
Type of contact				4 NO
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 120

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