

Product designation				Auxiliary contactor
Product type designation				BF00
<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	
Short-time allowable current for 10s (IEC/EN60947-1)		A	0	
Protection fuse		gG (IEC)	A	25
	Tightening torque for terminals			
	min	Nm	1.5	
	max	Nm	1.8	
	min	lbin	1.1	
	max	lbin	1.5	
Tightening torque for coil terminal				
	min	Nm	0.8	
	max	Nm	1	
	min	lbin	Prodotti finiti	
	max	lbin	Prodotti finiti	
Max number of wires simultaneously connectable		Nr.	2	
Conductor section				
Flexible w/o lug conductor section				
	min	mm <sup>2</sup>	1	
	max	mm <sup>2</sup>	6	
Flexible c/w lug conductor section				
	min	mm <sup>2</sup>	1	
	max	mm <sup>2</sup>	4	
Flexible with insulated spade lug conductor section				
	min	mm <sup>2</sup>	1	
	max	mm <sup>2</sup>	4	
Power terminal protection according to IEC/EN 60529				IP20 when wired
<b>Mechanical features</b>				
Operating position				
	normal allowable		Vertical plan $\pm 30^\circ$	
Fixing				Screw / DIN rail 35mm
Weight				g 355
<b>Auxiliary contact characteristics</b>				
Type of contact				4 NC
Thermal current $I_{th}$		A	10	
IEC/EN 60947-5-1 designation				A600 - P600
Operating current AC15				
	230V	A	3	
	400V	A	1.9	
	500V	A	1.4	
Operating current DC12				
	110V	A	5.7	

Operating current DC13

24V	A	5.7
48V	A	2.9
60V	A	2.3
110V	A	1.25
125V	A	1.1
220V	A	0.55
600V	A	0.2

**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	80
max	%Us	110

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	75
holding	VA	9

of 50/60Hz coil powered at 60Hz

in-rush	VA	70
holding	VA	6.5

of 60Hz coil powered at 60Hz

in-rush	VA	75
holding	VA	9

Dissipation at holding ≤20°C 50Hz W 2.5

**Max cycles frequency**

Mechanical operation cycles/h 3600

**Operating times**

Average time for Us control

in AC

Closing NO

min	ms	8
max	ms	24

Opening NO

min	ms	10
max	ms	20

Closing NC

min	ms	9
max	ms	25

Opening NC

min	ms	9
max	ms	15

**UL technical data**

General USE

Auxiliary contacts

	AC current	A	10
Contact rating of auxiliary contacts according to UL			A600 - P600

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