

Product designation			Auxiliary contactor		
Product type designation			BF00		
Contact characteristics					
Number of poles			Nr.	4	
Rated insulation voltage Ui IEC/EN			V	690	
Rated impulse withstand voltage Uimp			kV	6	
Operational frequency			min	Hz	25
			max	Hz	400
IEC Conventional free air thermal current Ith			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	mm²	1
			max	mm²	6
Flexible c/w lug conductor section			min	mm²	1
			max	mm²	4
Flexible with insulated spade lug conductor section			min	mm²	1
			max	mm²	4
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	500	
Auxiliary contact characteristics					
Type of contact			4 NC		
Thermal current Ith			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

DC coil operating

DC rated control voltage V 24

DC operating voltage

pick-up

min	%Us	80
max	%Us	110

drop-out

min	%Us	10
max	%Us	40

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

in-rush	W	2.4
holding	W	2.4

Max cycles frequency

Mechanical operation cycles/h 3600

Operating times

Average time for Us control

in DC

Closing NO

min	ms	75
max	ms	91

Opening NO

min	ms	15
max	ms	19

Closing NC

min	ms	24
max	ms	30

Opening NC

min	ms	67
max	ms	81

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	$^{\circ}\text{C}$	-50
max	$^{\circ}\text{C}$	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