

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
Operational current $I_e$	AC-1 ( $\leq 55^\circ C$ )		A	0
			A	0
Short-time allowable current for 10s (IEC/EN60947-1)			A	0
			A	0
Protection fuse	gG (IEC)		A	25
			A	25
Tightening torque for terminals	min	Nm	1.5	
	max	Nm	1.8	
	min	Ibin	1.1	
	max	Ibin	1.5	
Tightening torque for coil terminal	min	Nm	0.8	
	max	Nm	1	
	min	Ibin	Prodotti finiti	
	max	Ibin	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 $\pm 30^\circ$	
			Screw / DIN rail 35mm	
Fixing				Screw / DIN rail 35mm
Weight			g	495
<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 - P600
Operating current AC15	230V		A	3
	400V		A	1.9
	500V		A	1.4
			A	1.4

Operating current DC12	110V	A	5.7
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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
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**Safety related data**

Performance level B10d according to EN/ISO 13489-1	mechanical load	cycles	20000000
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Mirror contacts according to IEC/EN 609474-4-1	YES
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EMC compatibility	Yes
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**DC coil operating**

DC rated control voltage	V	110
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DC operating voltage	pick-up	min	%Us	70
		max	%Us	125
	drop-out	min	%Us	10
		max	%Us	40

Average coil consumption $\leq 20^{\circ}\text{C}$	in-rush	W	5.4
	holding	W	5.4

**Max cycles frequency**

Mechanical operation	cycles/h	3600
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**Operating times**

Average time for $U_s$ control in DC	Closing NO	min	ms	54
		max	ms	66
	Opening NO	min	ms	14
		max	ms	17
	Closing NC	min	ms	24
		max	ms	30
	Opening NC	min	ms	47
		max	ms	57

**UL technical data**

General USE	Auxiliary contacts	AC current	A	10
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Contact rating of auxiliary contacts according to UL	A600 - P600
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**Ambient conditions**

Temperature
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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