



Product designation	Auxiliary contactor		
Product type designation	BF00		
<b>Contact characteristics</b>			
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	
Operational current Ie	AC-1 ( $\leq 55^{\circ}\text{C}$ )	A	0
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	0.8
	max	lbin	0.74
Max number of wires simultaneously connectable	Nr.	2	
<b>Conductor section</b>			
AWG/Kcmil	max		10
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 354				
Conductor section	AWG/kcmil conductor section				
	max	10			
<b>Auxiliary contact characteristics</b>					
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		
<b>Operations</b>					
Mechanical life	cycles		20000000		
<b>Safety related data</b>					
Performance level B10d according to EN/ISO 13489-1	mechanical load	cycles	20000000		
Mirror contacts according to IEC/EN 609474-4-1	YES				
EMC compatibility	yes				
AC coil operating					
Rated AC voltage at 60Hz	V	120			
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 60Hz coil powered at 60Hz	in-rush	VA	75		
	holding	VA	9		
Dissipation at holding $\leq 20^\circ\text{C}$ 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	17
	max	ms	30
Opening NC	min	ms	7
	max	ms	18

**UL technical data**

**General USE**

**Auxiliary contacts**

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

**Ambient conditions**

**Temperature**

**Operating temperature**

Operating temperature	min	°C	-50
	max	°C	70

**Storage temperature**

Storage temperature	min	°C	-60
	max	°C	80

**Max altitude**

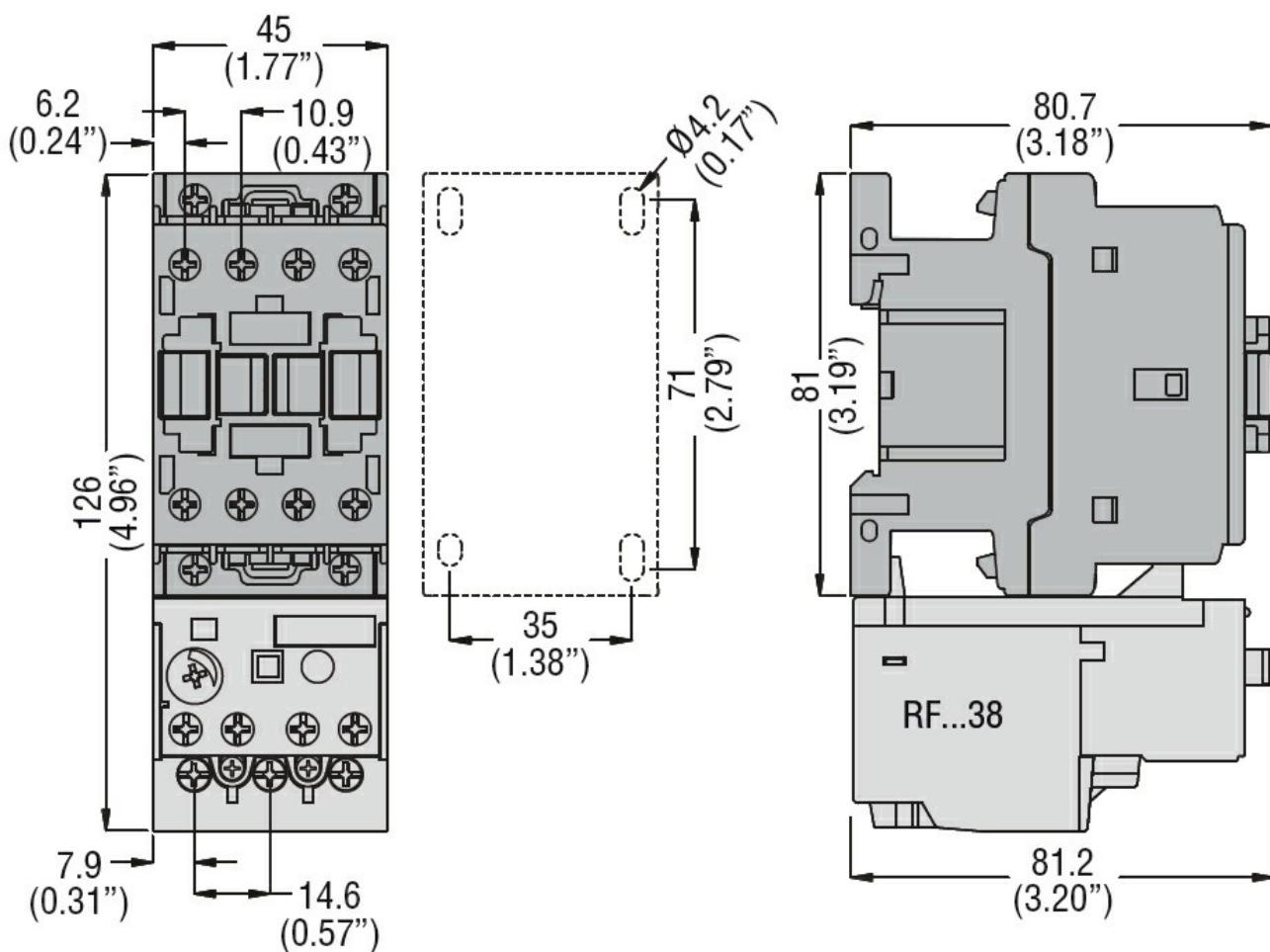
m 3000

**Resistance & Protection**

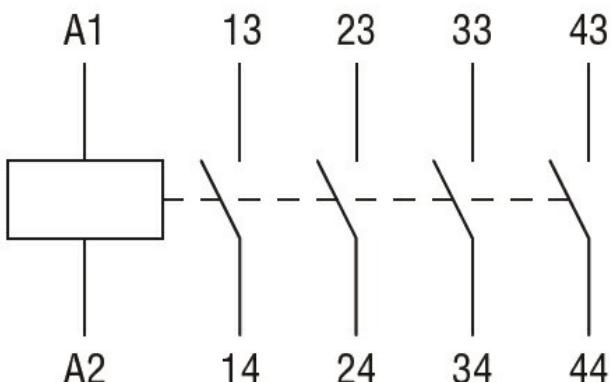
**Pollution degree**

3

**Dimensions**



## Wiring diagrams



## Certifications and compliance

## Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-5-1

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IEC/EN 60947-1

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IEC/EN 60917-5-1

IEC/EN 60947-1

UL 60947-1

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UL 60947-5-1

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## Certificates

CCC

cllus

EAC

## FTIM classification

ETIM 8.0

EC000196 -  
Contactor relay