



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 max	Hz Hz	25 400
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 max min max	Nm Nm lbin lbin	1.5 1.8 1.1 1.5
Tightening torque for coil terminal	min max min max	Nm Nm lbin lbin	0.8 1 0.8 0.74
Max number of wires simultaneously connectable	Nr.	2	
Conductor section			
AWG/Kcmil	max	10	
Flexible w/o lug conductor section	min max	mm ² mm ²	1 6
Flexible c/w lug conductor section	min max	mm ² mm ²	1 4
Flexible with insulated spade lug conductor section	min max	mm ² mm ²	1 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	358	

Conductor section

AWG/kcmil conductor section	max	10
Auxiliary contact characteristics		
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
Mirror contacts according to IEC/EN 609474-4-1		20000000
EMC compatibility		YES
AC coil operating		yes
Rated AC voltage at 60Hz	V	230
AC operating voltage		
of 60Hz coil powered at 60Hz		
pick-up	min	%Us
	max	%Us
drop-out	min	%Us
	max	%Us
AC average coil consumption at 20°C		
of 60Hz coil powered at 60Hz	in-rush	VA
	holding	VA
Dissipation at holding $\leq 20^\circ\text{C}$ 50Hz		W
Max cycles frequency		cycles/h
Mechanical operation		3600
Operating times		
Average time for Us control		
in AC		
Closing NO	min	ms
	max	ms
Opening NO	min	ms
	max	ms

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

Operating temperature	min	°C	-50
	max	°C	70

Storage temperature

Storage temperature	min	°C	-60
	max	°C	80

Max altitude

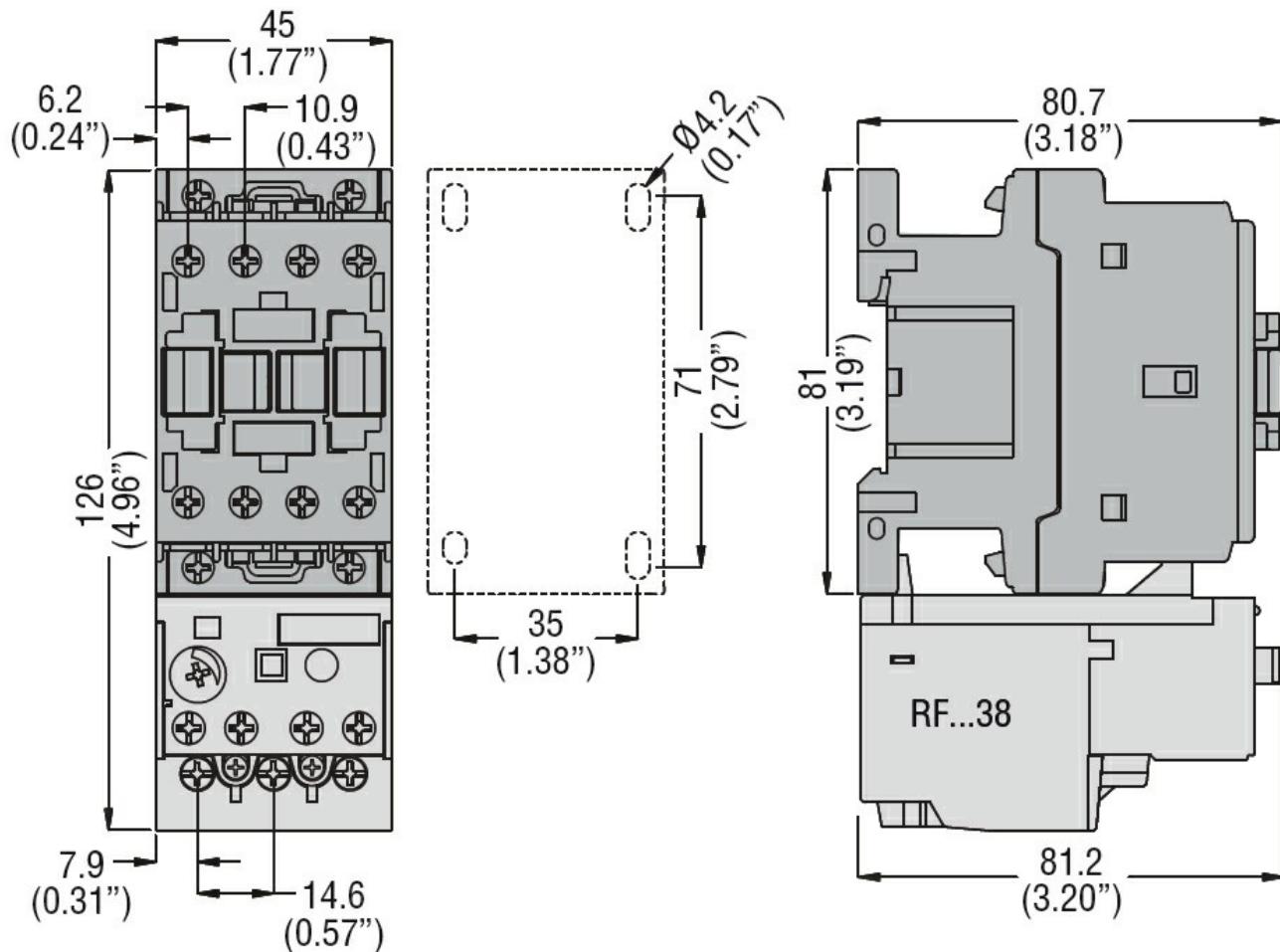
m 3000

Resistance & Protection

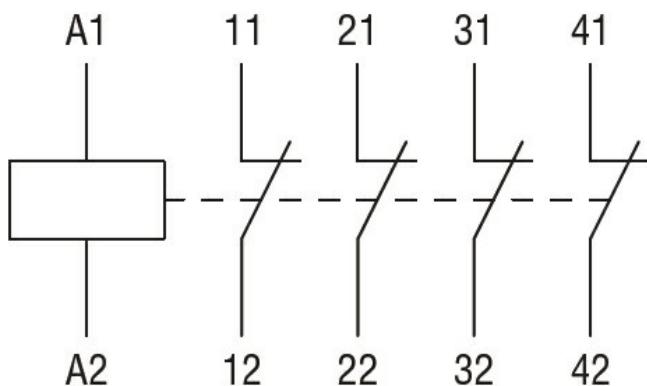
Pollution degree

3

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

[CSA C22.2 n° 60947-1](#)

[CSA C22.2 n° 60947-5-1](#)

[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