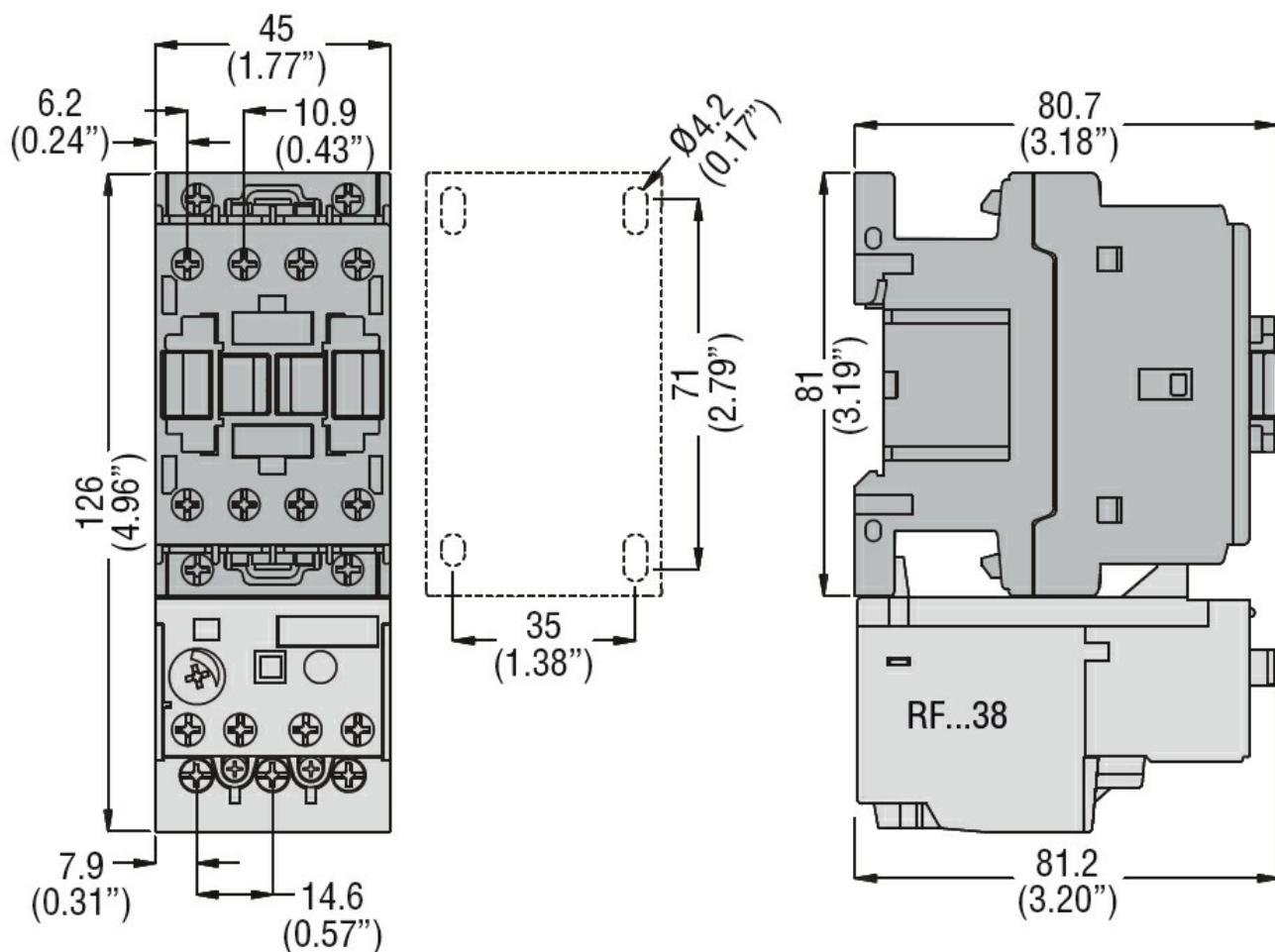




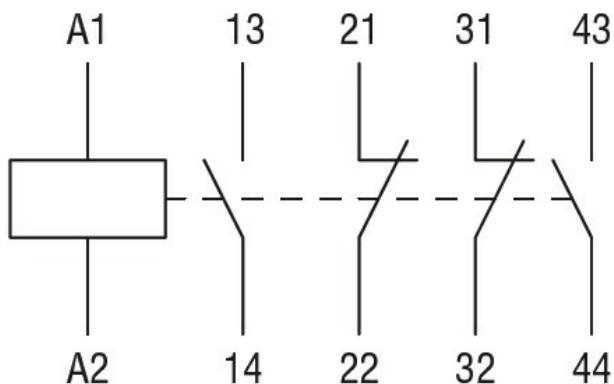
Product designation	Auxiliary contactor		
Product type designation	BF00		
Contact characteristics			
Number of poles	Nr.	4	
Rated insulation voltage U_i IEC/EN	V	690	
Rated impulse withstand voltage U_{imp}	kV	6	
Operational frequency	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current I_{th}	A	10	
Operational current I_e	AC-1 ($\leq 55^\circ C$)	A	0
Protection fuse	gG (IEC)	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	0.8
	max	Ibin	0.74
Max number of wires simultaneously connectable	Nr.	2	
Conductor section			
AWG/Kcmil	max		10
Flexible w/o lug conductor section	min	mm ²	1
	max	mm ²	6
Flexible c/w lug conductor section	min	mm ²	1
	max	mm ²	4
Flexible with insulated spade lug conductor section	min	mm ²	1
	max	mm ²	4
Power terminal protection according to IEC/EN 60529	IP20 when properly wired		
Mechanical features			
Operating position	normal allowable		Vertical plan $\pm 30^\circ$

Fixing	Screw / DIN rail 35mm		
Weight	g 358		
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	20000000
EMC compatibility	yes		
AC coil operating			
Rated AC voltage at 50/60Hz	V	230	
AC operating voltage	of 50/60Hz coil powered at 50Hz 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 60Hz pick-up		
	min	%Us 80	
	max	%Us 110	
	drop-out		
	min	%Us 20	
	max	%Us 55	
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 $\leq 20^\circ\text{C}$ 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 14		
		max	ms 28		
	Opening NC	min	ms 7		
		max	ms 18		
UL technical data					
Rated operational voltage AC (UL)	V	600			
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