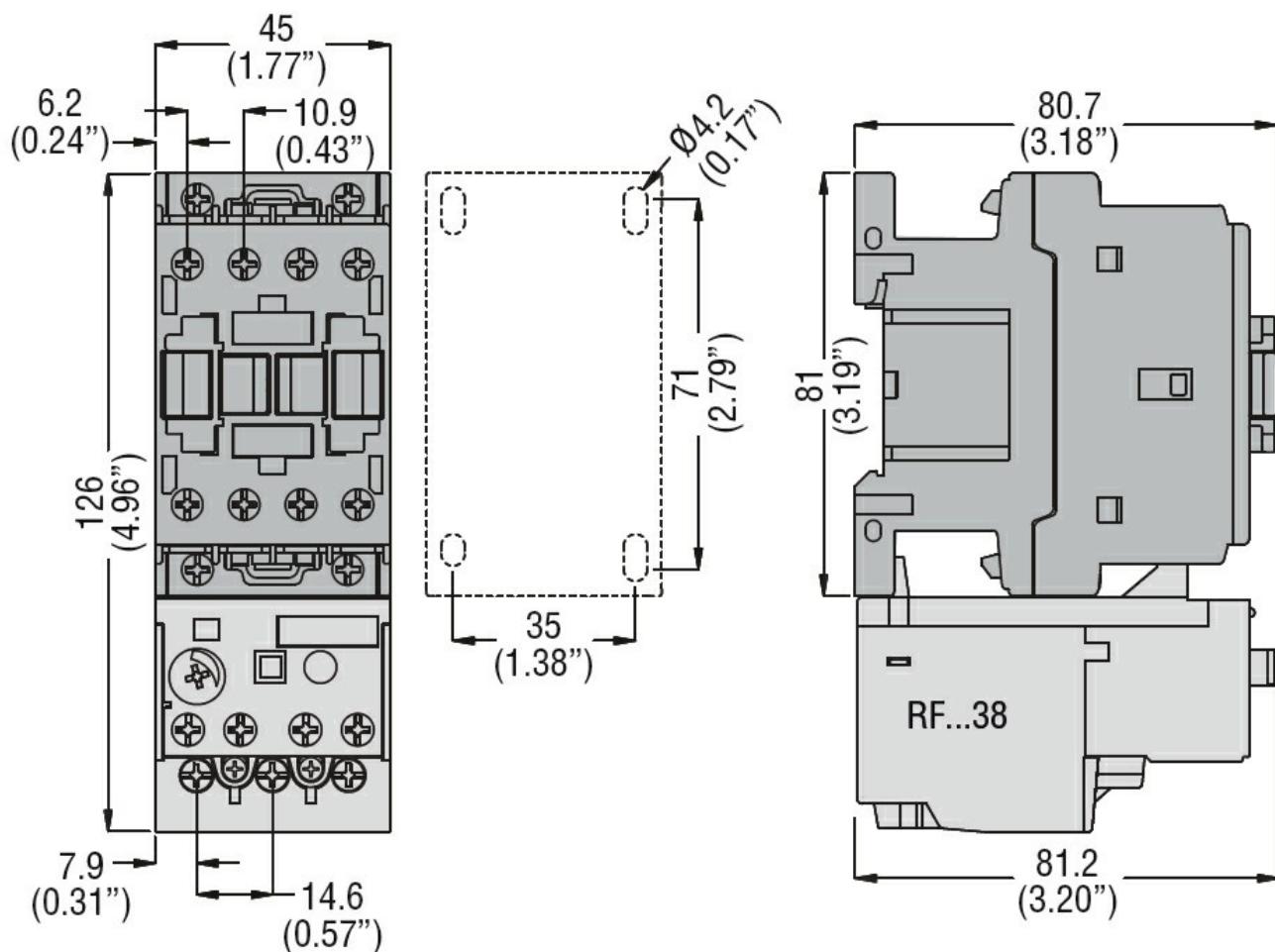




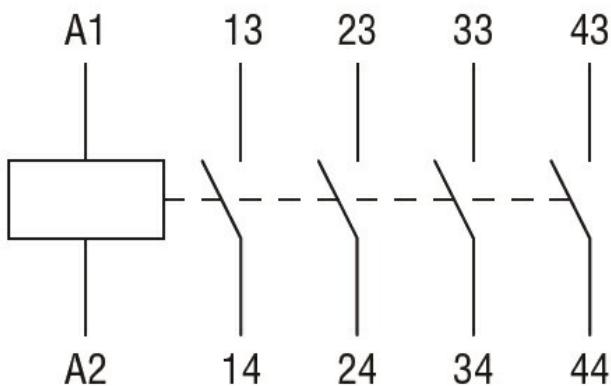
Product designation	Auxiliary contactor		
Product type designation	BF00		
Contact characteristics			
Number of poles	Nr.	4	
Rated insulation voltage Ui IEC/EN	V	690	
Rated impulse withstand voltage $Uimp$	kV	6	
Operational frequency	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	A	10	
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	
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 wired		
Mechanical features			
Operating position	normal allowable		Vertical plan $\pm 30^{\circ}$

Fixing	Screw / DIN rail 35mm		
Weight	g 367		
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	20000000
Mirror contacts according to IEC/EN 609474-4-1		YES	
EMC compatibility		yes	
AC coil operating			
Rated AC voltage at 50/60Hz	V	48	
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
	of 50/60Hz 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 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 17
		max	ms 30
	Opening NC		
		min	ms 7
		max	ms 18
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	$^{\circ}\text{C}$ -60
		max	$^{\circ}\text{C}$ 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