



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
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 348		
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 60Hz	V	220	
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 14	

Opening NC	max	ms	28
	min	ms	7
	max	ms	18

UL technical data

Rated operational voltage AC (UL)	V	600
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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

Operating temperature

min	°C	-50
max	°C	70

Storage temperature

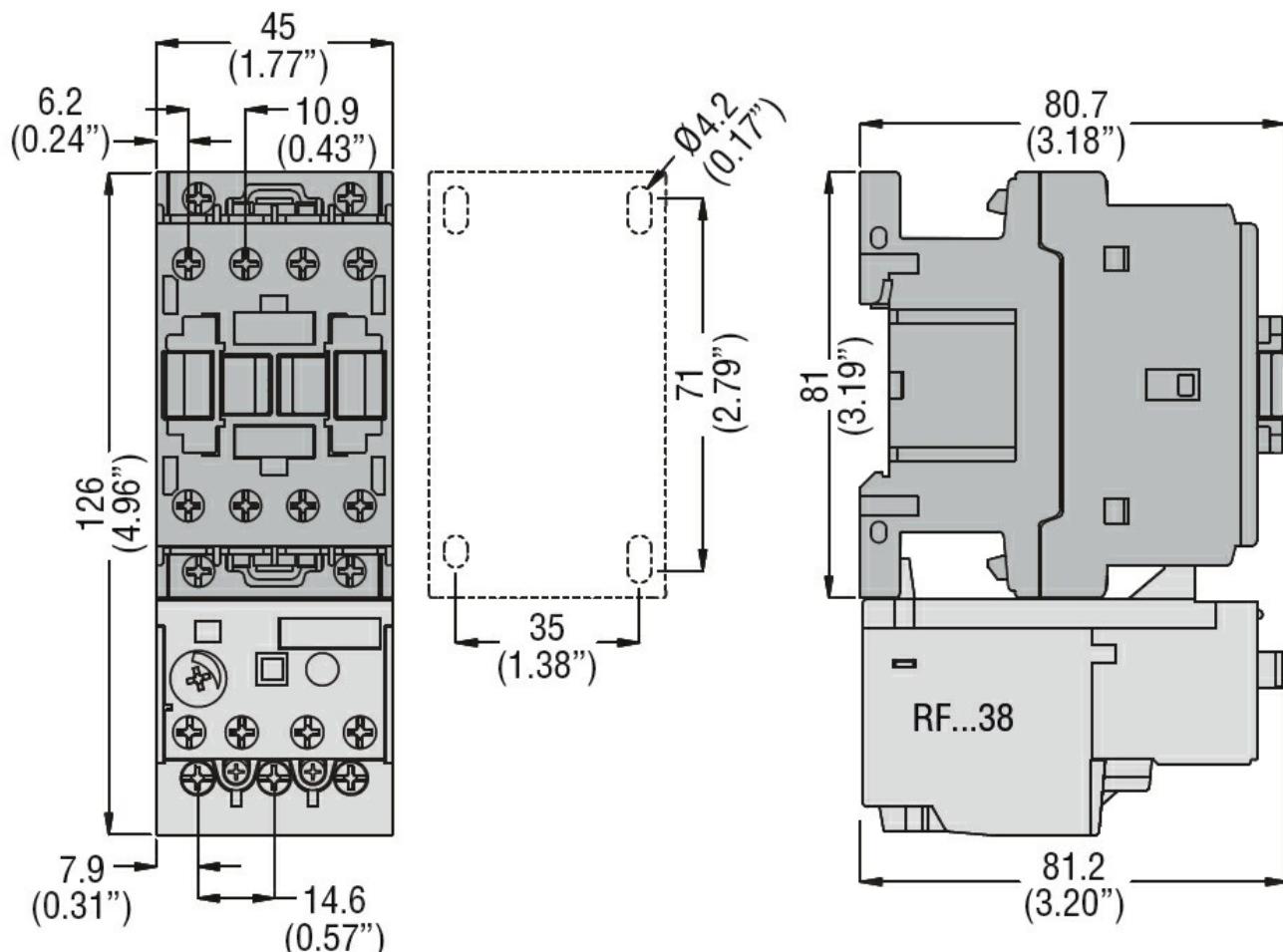
min	°C	-60
max	°C	80

Max altitude	m	3000
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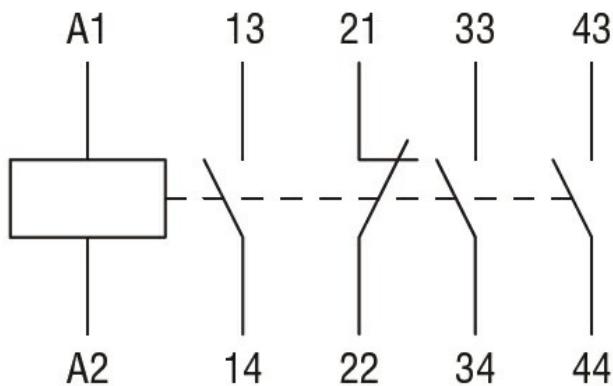
Resistance & Protection

Pollution degree	3
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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