



Product designation				Auxiliary
Froduct designation				contactor
Product type designa				BF00
Contact characteristic	es en la companya de			
Number of poles			Nr.	4
Rated insulation volta			V kV	690
Rated impulse withstand voltage Uimp				6
Operational frequency	y			
		min	Hz	25
		max	Hz	400
IEC Conventional free	e air thermal current Ith		Α	10
Operational current le				
		AC-1 (≤55°C)	Α	0
Protection fuse				
		gG (IEC)	Α	25
Tightening torque for	terminals			
0 0 1		min	Nm	1.5
		max	Nm	1.8
		min	Ibin	1.1
		max	Ibin	1.5
Tightening torque for	coil terminal			
5 5 1		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			
	7.111 5/116.11	max		10
	Flexible w/o lug conductor section	max		
	Tiexible wie lag conductor section	min	mm²	1
		max	mm²	6
	Flexible c/w lug conductor section	max		
	r lexible 6/W lag corradetor section	min	mm²	1
		max	mm <sup>2</sup>	4
	Flexible with insulated spade lug conductor section		111111	<b>-</b> 7
	Tionibio with insulated space lag conductor section	min	mm²	1
		max	mm²	4
		IIIdX	111111	IP20 when
Power terminal protection according to IEC/EN 60529				properly wired
Mechanical features				property whod
Operating position			<del></del>	
-poraming position		normal		Vertical plan
		allowable		±30°
		allowable		-00



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Fixing			Screw / DIN rai
Weight		g	368
Conductor section			
AWG/kcmil conductor section			
	max		10
Auxiliary contact characteristics			
Thermal current Ith		Α	10
EC/EN 60947-5-1 designation			A600 - P600
Operating current AC15		_	
	230V	Α	3
	400V	Α	1.9
	500V	Α	1.4
Operating current DC12			
	110V	Α	5.7
Operating current DC13			
	24V	Α	5.7
	48V	Α	2.9
	60V	Α	2.3
	110V	Α	1.25
	125V	Α	1.1
	220V	Α	0.55
	600V	Α	0.2
Operations			
Mechanical life		cycles	20000000
Safety related data			
Performance level B10d according to EN/ISO 13489-1			
	mechanical load	cycles	20000000
Mirror contats according to IEC/EN 609474-4-1			YES
EMC compatibility			yes
AC coil operating			,
40 con operating			,
· · · · · · · · · · · · · · · · · · ·		V	400
Rated AC voltage at 50/60Hz		V	
Rated AC voltage at 50/60Hz		V	
Rated AC voltage at 50/60Hz AC operating voltage		V	
Rated AC voltage at 50/60Hz AC operating voltage of 50/60Hz coil powered at 50Hz	min	V %Us	
Rated AC voltage at 50/60Hz AC operating voltage of 50/60Hz coil powered at 50Hz	min max		400
Rated AC voltage at 50/60Hz AC operating voltage of 50/60Hz coil powered at 50Hz		%Us	400 80
Rated AC voltage at 50/60Hz AC operating voltage of 50/60Hz coil powered at 50Hz pick-up		%Us	400 80
Rated AC voltage at 50/60Hz AC operating voltage of 50/60Hz coil powered at 50Hz pick-up	max	%Us %Us	400 80 110
Rated AC voltage at 50/60Hz AC operating voltage of 50/60Hz coil powered at 50Hz pick-up	max min	%Us %Us %Us	80 110 20
Rated AC voltage at 50/60Hz AC operating voltage of 50/60Hz coil powered at 50Hz pick-up drop-out	max min	%Us %Us %Us	80 110 20
Rated AC voltage at 50/60Hz AC operating voltage of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz	max min	%Us %Us %Us	80 110 20
Rated AC voltage at 50/60Hz AC operating voltage  of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz	max min max	%Us %Us %Us %Us	400 80 110 20 55
Rated AC voltage at 50/60Hz AC operating voltage of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz	max min max min	%Us %Us %Us %Us	80 110 20 55
Rated AC voltage at 50/60Hz AC operating voltage  of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up	max min max min	%Us %Us %Us %Us	80 110 20 55
Rated AC voltage at 50/60Hz AC operating voltage  of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up	max min max min max	%Us %Us %Us %Us %Us	80 110 20 55 80 110
Rated AC voltage at 50/60Hz AC operating voltage  of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out	max min max  min max  min max  min	%Us %Us %Us %Us %Us	80 110 20 55 80 110 20
Rated AC voltage at 50/60Hz  AC operating voltage  of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out  AC average coil consumption at 20°C	max min max  min max  min max  min	%Us %Us %Us %Us %Us	80 110 20 55 80 110 20
Rated AC voltage at 50/60Hz AC operating voltage  of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out	max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	80 110 20 55 80 110 20 55
Rated AC voltage at 50/60Hz AC operating voltage  of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out  AC average coil consumption at 20°C	max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	80 110 20 55 80 110 20 55
Rated AC voltage at 50/60Hz AC operating voltage  of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out  AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz	max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	80 110 20 55 80 110 20 55
Rated AC voltage at 50/60Hz AC operating voltage  of 50/60Hz coil powered at 50Hz pick-up  drop-out  of 50/60Hz coil powered at 60Hz pick-up  drop-out  AC average coil consumption at 20°C	max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	80 110 20 55 80 110 20 55

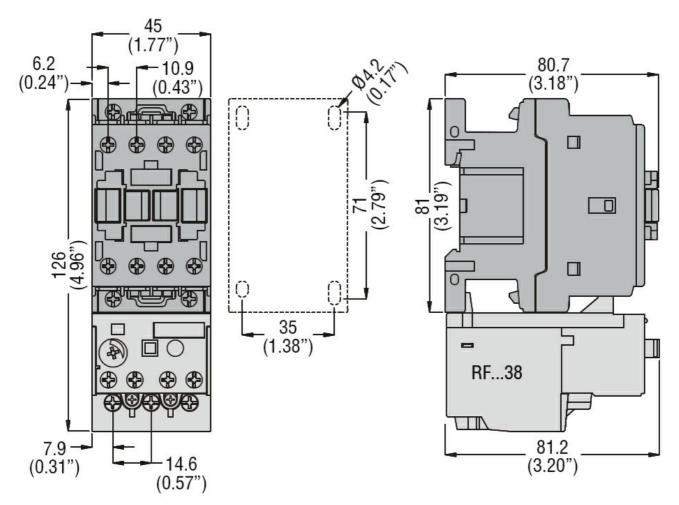


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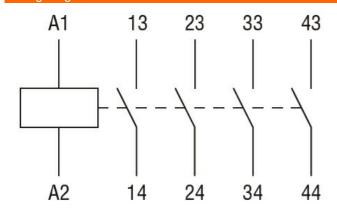
	of 60Hz coil powered a	at 60Hz			
			in-rush	VA	75
			holding	VA	9
Dissipation at holding ≤	20°C 50Hz			W	2.5
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us co	ntrol				
	in AC				
	III AO	Closing NO			
		Closing NO	min	<b>100.0</b>	0
			min	ms	8
		0 1 110	max	ms	24
		Opening NO			
			min	ms	10
			max	ms	20
		Closing NC			
			min	ms	17
			max	ms	30
		Opening NC			
		Oponing 110	min	ms	7
				ms	18
III to shained data			max	1115	10
UL technical data					
General USE					
	Auxiliary contacts				
			AC current	Α	10
Contact rating of auxilia	ary contacts according to	UL			A600 - P600
Ambient conditions					
Temperature					
	Operating temperature				
	Operating temperature		min	°C	-50
				°C	70
	<u> </u>		max	<u> </u>	70
	Storage temperature		_		
			min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protectio	n				
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

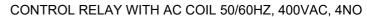
Certificates

CCC

cULus

EAC







ETIM classification

ETIM 8.0

EC000196 -Contactor relay