



				Auxiliary
Product designation				contactor
Product type designation				BF00
Contact characteristic	os			
Number of poles			Nr.	4
Rated insulation volta	ge Ui IEC/EN		V	690
Rated impulse withsta	and voltage Uimp		kV	6
Operational frequenc	у			
		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			
		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	mm²	1
	=	max	mm²	6
	Flexible c/w lug conductor section		2	
		min	mm²	1
		max	mm²	4
	Flexible with insulated spade lug conductor section			4
		min	mm²	1
		max	mm²	4
Power terminal protection according to IEC/EN 60529				IP20 when properly wired
Mechanical features				
Operating position				
•		normal		Vertical plan
		allowable		±30°



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Fixing			Screw / DIN rail
			35mm
Weight		g	358
Conductor section			
AWG/kcmil conductor section	may		10
Auxiliary contact characteristics	max		10
Thermal current Ith		Α	10
IEC/EN 60947-5-1 designation			A600 - P600
Operating current AC15			7000 1 000
operating out one no	230V	Α	3
	400V	A	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			
N	mechanical load	cycles	20000000
Mirror contats according to IEC/EN 609474-4-1			YES
EMC compatibility			yes
AC coil operating		V	110
Rated AC voltage at 50/60Hz AC operating voltage		V	110
of 50/60Hz coil powered at 50Hz			
of 50/60F12 coil powered at 50F12			
pick up			
pick-up	min	% le	80
pick-up	min may	%Us %Us	80
	min max	%Us %Us	80 110
pick-up drop-out	max	%Us	110
	max min	%Us %Us	110 20
drop-out	max	%Us	110
of 50/60Hz coil powered at 60Hz	max min	%Us %Us	110 20
drop-out	max min	%Us %Us	110 20
of 50/60Hz coil powered at 60Hz	max min max	%Us %Us %Us	110 20 55
of 50/60Hz coil powered at 60Hz	max min max min	%Us %Us %Us	110 20 55 80
of 50/60Hz coil powered at 60Hz pick-up	max min max min	%Us %Us %Us	110 20 55 80
of 50/60Hz coil powered at 60Hz pick-up	max min max min max	%Us %Us %Us %Us %Us	110 20 55 80 110
of 50/60Hz coil powered at 60Hz pick-up	max min max min max min max min	%Us %Us %Us %Us %Us %Us %Us	110 20 55 80 110 20
of 50/60Hz coil powered at 60Hz pick-up	max min max min max min max min max	%Us %Us %Us %Us %Us %Us %Us %Us	110 20 55 80 110 20 55
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 %Us	110 20 55 80 110 20 55
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 %Us	110 20 55 80 110 20 55
of 50/60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C	min max min max min max min max in-rush holding	%Us	110 20 55 80 110 20 55 75 9
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 %Us	110 20 55 80 110 20 55

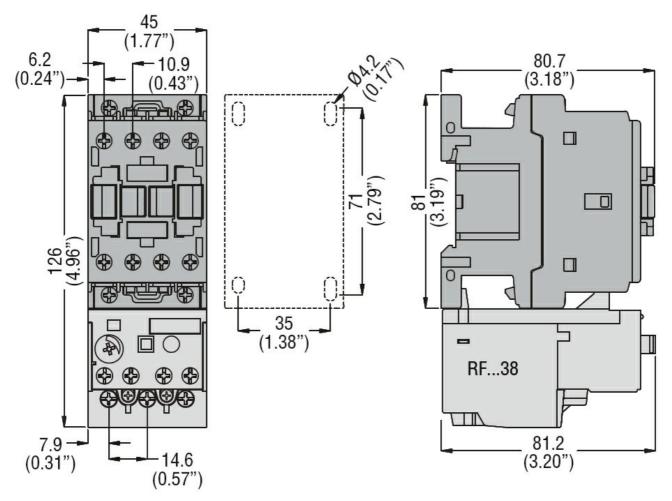


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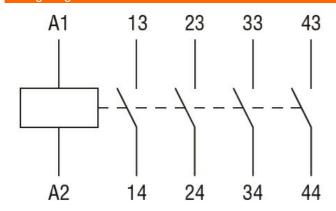
	of 60Hz coil powered a	it 60Hz			
			in-rush	VA	75
			holding	VA	9
Dissipation at holding ≤	20°C 50Hz			W	2.5
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times				,	
Average time for Us co	ntrol				
J	in AC				
	-	Closing NO			
		J	min	ms	8
			max	ms	24
		Opening NO			
		5 5 5 5 5	min	ms	10
			max	ms	20
		Closing NC	max	1110	
		Clocking 110	min	ms	17
			max	ms	30
		Opening NC	max	1110	00
		Opening NO	min	ms	7
			max	ms	18
UL technical data			Παλ	1113	10
General USE					
General USE	Auvilian, contacts				
	Auxiliary contacts		AC current	Α	10
Contact rating of auxilia	ary contacts according to	.111	AC current	A	A600 - P600
Ambient conditions	iry contacts according to	UL			A000 - P000
Temperature	•				
	Operating temperature				
			min	°C	-50
			max	°C	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

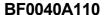
UL 60947-5-1

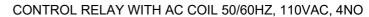
Certificates

CCC

cULus

EAC







ETIM classification

ETIM 8.0

EC000196 -Contactor relay