



Product designation				Auxiliary
-				contactor
Product type designat				BF00
Contact characteristic	S		N I.a	4
Number of poles			Nr.	4
Rated insulation voltage Ui IEC/EN			V kV	<u>690</u> 6
Rated impulse withstand voltage Uimp			KV	0
Operational frequency		min		25
		min	Hz Hz	25 400
IEC Conventional free	air thermal current Ith	max	A	10
Protection fuse			A	10
FIDIECIIDITIUSE		gG (IEC)	А	25
Tightening torque for t	erminals	90 (		20
nginoning torquo for t		min	Nm	1.5
		max	Nm	1.8
		min	lbin	1.1
		max	lbin	1.5
Tightening torque for a	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			
		max		10
	Flexible w/o lug conductor section			
		min	mm²	1
		max	mm²	6
	Flexible c/w lug conductor section			
		min	mm²	1
		max	mm²	4
	Flexible with insulated spade lug conductor section			
		min	mm²	1
		max	mm²	4
Power terminal protection according to IEC/EN 60529				IP20 when
Mechanical features				properly wired
Operating position				
operating position		normal		Vertical plan
		allowable		±30°
				Screw / DIN rail
Fixing				35mm
Weight			g	356
0			3	



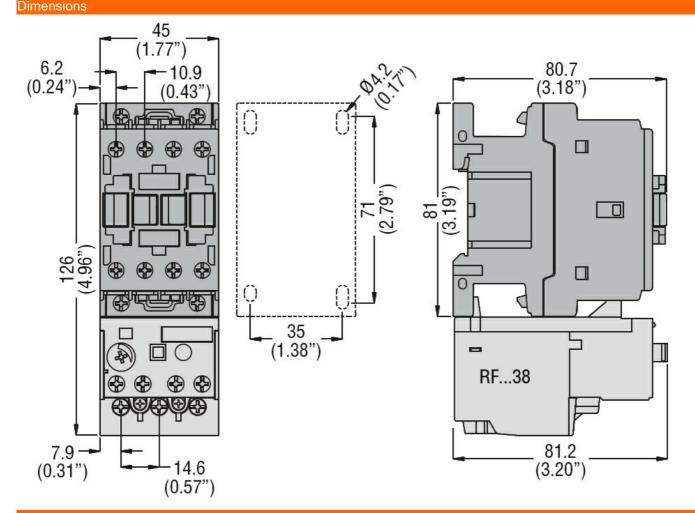
Conductor section

AWG/kcmil conductor section

		max		10
Auxiliary contact characteristics				
Thermal current Ith			А	10
IEC/EN 60947-5-1 designation				A600 - P600
Operating current AC15				
		230V	А	3
		400V	А	1.9
		500V	А	1.4
Operating current DC12				
		110V	А	5.7
Operating current DC13				
		24V	А	5.7
		48V	А	2.9
		60V	А	2.3
		110V	А	1.25
		125V	A	1.1
		220V	A	0.55
		600V	А	0.2
Operations				
Mechanical life			cycles	20000000
Safety related data	aa <i>i</i>			
Performance level B10d according to EN/ISO 134	89-1			
		mechanical load	cycles	2000000
Mirror contats according to IEC/EN 609474-4-1				YES
EMC compatibility AC coil operating				yes
AC coll operating				
			17	400
Rated AC voltage at 60Hz			V	460
Rated AC voltage at 60Hz AC operating voltage	N I		V	460
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60			V	460
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60	)Hz ck-up	min		
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60		min	%Us	80
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60 pic	ck-up	min max		
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60 pic		max	%Us %Us	80 110
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60 pic	ck-up	max	%Us %Us %Us	80 110 20
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60 pic	ck-up	max	%Us %Us	80 110
Rated AC voltage at 60Hz   AC operating voltage   of 60Hz coil powered at 60 pic   pic   dr   AC average coil consumption at 20°C	ck-up op-out	max	%Us %Us %Us	80 110 20
Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60 pic	ck-up op-out	max min max	%Us %Us %Us %Us	80 110 20 55
Rated AC voltage at 60Hz   AC operating voltage   of 60Hz coil powered at 60 pic   pic   dr   AC average coil consumption at 20°C	ck-up op-out	max min max in-rush	%Us %Us %Us %Us VA	80 110 20 55 75
Rated AC voltage at 60Hz   AC operating voltage   of 60Hz coil powered at 60   pic   dr   AC average coil consumption at 20°C   of 60Hz coil powered at 60	ck-up op-out	max min max	%Us %Us %Us %Us VA VA	80 110 20 55 75 9
Rated AC voltage at 60Hz   AC operating voltage   of 60Hz coil powered at 60 pic   dr   AC average coil consumption at 20°C   of 60Hz coil powered at 60   Dissipation at holding ≤20°C 50Hz	ck-up op-out	max min max in-rush	%Us %Us %Us %Us VA	80 110 20 55 75
Rated AC voltage at 60Hz   AC operating voltage   of 60Hz coil powered at 60   pic   dr   AC average coil consumption at 20°C   of 60Hz coil powered at 60   Dissipation at holding ≤20°C 50Hz   Max cycles frequency	ck-up op-out	max min max in-rush	%Us %Us %Us %Us VA VA VA	80 110 20 55 75 9 2.5
Rated AC voltage at 60Hz   AC operating voltage   of 60Hz coil powered at 60   pic   dr   AC average coil consumption at 20°C   of 60Hz coil powered at 60   Dissipation at holding ≤20°C 50Hz   Max cycles frequency   Mechanical operation	ck-up op-out	max min max in-rush	%Us %Us %Us %Us VA VA	80 110 20 55 75 9 2.5
Rated AC voltage at 60Hz   AC operating voltage   of 60Hz coil powered at 60   pic   dr   AC average coil consumption at 20°C   of 60Hz coil powered at 60   Dissipation at holding ≤20°C 50Hz   Max cycles frequency   Mechanical operation   Operating times	ck-up op-out	max min max in-rush	%Us %Us %Us %Us VA VA VA	80 110 20 55 75 9 2.5
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Rated AC voltage at 60Hz   AC operating voltage   of 60Hz coil powered at 60   pic   dr.   AC average coil consumption at 20°C   of 60Hz coil powered at 60   Dissipation at holding ≤20°C 50Hz   Max cycles frequency   Mechanical operation   Operating times   Average time for Us control   in AC	ck-up op-out	max min max in-rush	%Us %Us %Us %Us VA VA VA	80 110 20 55 75 9 2.5
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Rated AC voltage at 60Hz   AC operating voltage   of 60Hz coil powered at 60   pic   dr.   AC average coil consumption at 20°C   of 60Hz coil powered at 60   Dissipation at holding ≤20°C 50Hz   Max cycles frequency   Mechanical operation   Operating times   Average time for Us control   in AC	ck-up op-out )Hz	max min max in-rush holding min	%Us %Us %Us %Us VA VA VA vA w cycles/h	80 110 20 55 75 9 2.5 3600 8
Rated AC voltage at 60Hz   AC operating voltage   of 60Hz coil powered at 60   pic   dr.   AC average coil consumption at 20°C   of 60Hz coil powered at 60   Dissipation at holding ≤20°C 50Hz   Max cycles frequency   Mechanical operation   Operating times   Average time for Us control   in AC	ck-up op-out )Hz osing NO	max min max in-rush holding min	%Us %Us %Us %Us VA VA VA vA w cycles/h	80 110 20 55 75 9 2.5 3600 8
Rated AC voltage at 60Hz   AC operating voltage   of 60Hz coil powered at 60   pic   dr.   AC average coil consumption at 20°C   of 60Hz coil powered at 60   Dissipation at holding ≤20°C 50Hz   Max cycles frequency   Mechanical operation   Operating times   Average time for Us control   in AC	ck-up op-out )Hz osing NO	max min max in-rush holding min max	%Us %Us %Us %Us VA VA W cycles/h	80 110 20 55 75 9 2.5 3600 8 24



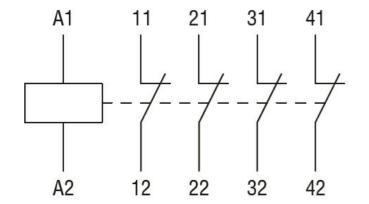
	Closing NC			
		min	ms	9
		max	ms	25
	Opening NC			
		min	ms	9
		max	ms	15
UL technical data				
General USE				
	Auxiliary contacts			
		AC current	А	10
Contact rating of au	ixiliary contacts according to UL			A600 - P600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
	5	min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Prote	ection			
Pollution degree				3
Dimonoiono				-



## Wiring diagrams



BF0004A46060 CONTROL RELAY WITH AC COIL 60HZ, 460VAC, 4NC



## 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		
	000	
	cULus	
	EAC	
ETIM classification		
ETIM 8.0		EC000196 -

Contactor relay