



Product designation				Auxiliary
_				contactor
Product type designa				BF00
Contact characteristic	CS Comments			4
Number of poles	11: 15 0 /5 N		Nr.	4
Rated insulation volta			V	690
Rated impulse withsta	<u> </u>		kV	6
Operational frequency	у			
		min	Hz	25
		max	Hz	400
	e air thermal current Ith		Α	10
Operational current le	9			
		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			
	r loxible we ray conductor coolien	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			•
	. Ionalio With inicalatica opado lag conductor socilon	min	mm²	1
		max	mm ²	4
		mux		IP20 when
Power terminal protect	ction according to IEC/EN 60529			properly wired
Mechanical features				property whou
Operating position				
		normal		Vertical plan
		allowable		±30°
		anowabie		±30



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Fixing			Screw / DIN rail 35mm
Weight		g	346
Conductor section			
AWG/kcmil conductor section			
	max		10
Auxiliary contact characteristics			
Thermal current Ith		Α	10
IEC/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	A	5.7
	48V	A	2.9
	60V	A	2.3
	110V 125V	A	1.25 1.1
	220V	A A	0.55
	600V	A	0.55
Operations	000 V		0.2
Mechanical life		cycles	20000000
Safety related data		0,0.00	20000000
Performance level B10d according to EN/ISO 13489-1			
S			0000000
	mechanical load	cycles	20000000
Mirror contats according to IEC/EN 609474-4-1	mechanical load	cycles	YES
Mirror contats according to IEC/EN 609474-4-1 EMC compatibility	mechanical load	cycles	
	mechanical load	cycles	YES
EMC compatibility	mechanical load	cycles V	YES
EMC compatibility AC coil operating	mechanical load		YES yes
EMC compatibility AC coil operating Rated AC voltage at 60Hz	mechanical load		YES yes
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage	mechanical load	V	YES yes 575
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz	mechanical load	V %Us	YES yes 575
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up		V	YES yes 575
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz	min max	V %Us %Us	YES yes 575 80 110
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up	min max min	V %Us %Us %Us	YES yes 575 80 110 20
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out	min max	V %Us %Us	YES yes 575 80 110
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C	min max min	V %Us %Us %Us	YES yes 575 80 110 20
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out	min max min max	V %Us %Us %Us %Us	YES yes 575 80 110 20 55
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C	min max min max in-rush	V %Us %Us %Us %Us	YES yes 575 80 110 20 55
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz	min max min max	V %Us %Us %Us %Us VA VA	YES yes 575 80 110 20 55
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz	min max min max in-rush	V %Us %Us %Us %Us	YES yes 575 80 110 20 55
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz Max cycles frequency	min max min max in-rush	V %Us %Us %Us %Us VA VA VA	YES yes 575 80 110 20 55 75 9
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz Max cycles frequency Mechanical operation	min max min max in-rush	V %Us %Us %Us %Us VA VA	YES yes 575 80 110 20 55 75 9
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz Max cycles frequency Mechanical operation Operating times	min max min max in-rush	V %Us %Us %Us %Us VA VA VA	YES yes 575 80 110 20 55 75 9
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz Max cycles frequency Mechanical operation Operating times Average time for Us control	min max min max in-rush	V %Us %Us %Us %Us VA VA VA	YES yes 575 80 110 20 55 75 9
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz Max cycles frequency Mechanical operation Operating times Average time for Us control in AC	min max min max in-rush	V %Us %Us %Us %Us VA VA VA	YES yes 575 80 110 20 55 75 9
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz Max cycles frequency Mechanical operation Operating times Average time for Us control	min max min max in-rush	V %Us %Us %Us %Us VA VA VA	YES yes 575 80 110 20 55 75 9
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz Max cycles frequency Mechanical operation Operating times Average time for Us control in AC	min max min max in-rush holding	V %Us %Us %Us %Us VA VA VA VA Cycles/h	YES yes 575 80 110 20 55 75 9 2.5



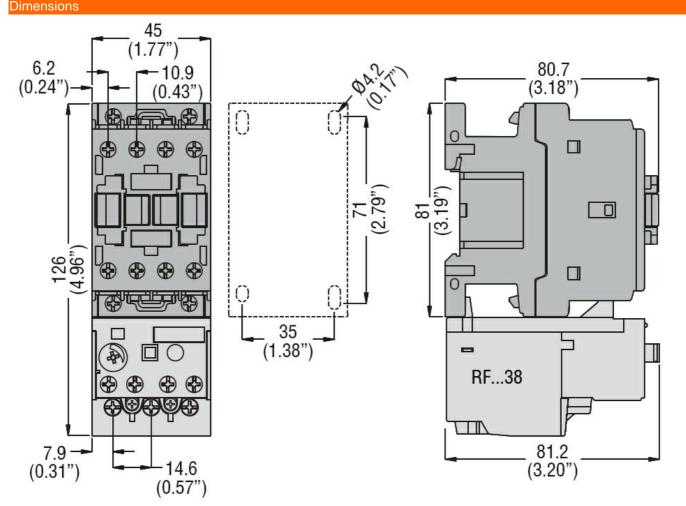
Opening NO			
	min	ms	10
	max	ms	20
Closing NC			
	min	ms	17
	max	ms	30
Opening NC			
	min	ms	7
	max	ms	18

UL technical data

General USE

Auxiliary contacts

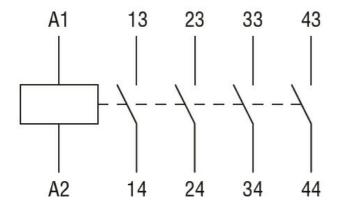
		AC current	Α	10
Contact rating of aux	xiliary contacts according to UL			A600 - P600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Protect	ction			
Pollution degree				3
Dimensions				





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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