



				Auxiliary
Product designation				contactor
Product type designate				BF00
Contact characteristic	es es			
Number of poles			Nr.	4
Rated insulation volta	-		V	690
Rated impulse withsta	•		kV	6
Operational frequency	y			
		min	Hz	25
		max	Hz	400
	e air thermal current Ith		Α	10
Protection fuse				
		gG (IEC)	A	25
Tightening torque for	terminals			
		min	Nm	1.5
		max	Nm	1.8
		min	lbin	1.1
		max	lbin	1.5
Tightening torque for	ing torque for coil terminal			
		min	Nm	0.8
		max	Nm	1
		min	lbin	0.8
		max	Ibin	0.74
	simultaneously connectable		Nr.	2
Conductor section	AMA 0.11			
	AWG/Kcmil			4.0
	Fig. 7.1	max		10
	Flexible w/o lug conductor section			4
		min	mm²	1
	Flavible alvebra and details a still	max	mm²	6
	Flexible c/w lug conductor section			4
		min	mm²	1
	Elavible with insulated anode lug conductor coction	max	mm²	4
	Flexible with insulated spade lug conductor section	min	mm²	1
		max	mm²	4
		Шах	111111	IP20 when
Power terminal protection according to IEC/EN 60529				properly wired
Mechanical features				proporty whod
Operating position				
3. a g pooliioi i		normal		Vertical plan
		allowable		±30°
		J 0 11 J. 10		
				Screw / DIN rail
Fixing				Screw / DIN rail 35mm



Conductor section

Conductor Section	AWG/kcmil conductor section			
	AVO/Remii conductor section	max		10
Auxiliary contact chara	cteristics	max		10
Thermal current Ith			Α	10
IEC/EN 60947-5-1 des	signation			A600 - P600
Operating current AC1	<u> </u>			
1 0		230V	Α	3
		400V	Α	1.9
		500V	Α	1.4
Operating current DC1	2			
		110V	Α	5.7
Operating current DC1	3			
1 0		24V	Α	5.7
		48V	Α	2.9
		60V	Α	2.3
		110V	Α	1.25
		125V	A	1.1
		220V	A	0.55
		600V	A	0.2
Operations		000 V	,	0.2
Mechanical life			cycles	20000000
Safety related data			0,0.00	2000000
•	od according to EN/ISO 13489-1			
	74 4000.4m.ig to 11.00 10 100 1	mechanical load	cycles	20000000
Mirror contats according	ng to IEC/EN 609474-4-1	moonamoa roaa	- Cy ClOC	YES
EMC compatibility	19 10 12 0/214 000 47 4 4 1			yes
LIVIO compatibility				
AC coil operating				,
AC coil operating Rated AC voltage at 50	0/60Hz		V	
Rated AC voltage at 50	D/60Hz		V	24
			V	
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz		V	
Rated AC voltage at 50		min		24
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz	min	%Us	80
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up	min max		24
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz	max	%Us %Us	80 110
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up	max min	%Us %Us %Us	80 110 20
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up drop-out	max	%Us %Us	80 110
Rated AC voltage at 50	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	of 50/60Hz coil powered at 50Hz pick-up drop-out	max min max	%Us %Us %Us %Us	80 110 20 55
Rated AC voltage at 50	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	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	max min max	%Us %Us %Us %Us	80 110 20 55
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	max min max min max	%Us %Us %Us %Us %Us	80 110 20 55 80 110
Rated AC voltage at 50	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 min max	%Us %Us %Us %Us %Us	80 110 20 55 80 110 20
Rated AC voltage at 50 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	%Us %Us %Us %Us %Us	80 110 20 55 80 110
Rated AC voltage at 50	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	%Us %Us %Us %Us %Us	80 110 20 55 80 110 20
Rated AC voltage at 50 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	%Us %Us %Us %Us %Us %Us %Us	80 110 20 55 80 110 20 55
Rated AC voltage at 50 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 in-rush	%Us %Us %Us %Us %Us %Us %Us	24 80 110 20 55 80 110 20 55
Rated AC voltage at 50 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 mption at 20°C of 50/60Hz coil powered at 50Hz	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 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 in-rush holding	%Us %Us %Us %Us %Us %Us %Us %Us	24 80 110 20 55 80 110 20 55 75 9
Rated AC voltage at 50 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 mption at 20°C of 50/60Hz coil powered at 50Hz	max min max min max min max in-rush holding in-rush	%Us %Us %Us %Us %Us %Us %Us VA VA	24 80 110 20 55 80 110 20 55 75 9
Rated AC voltage at 50 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 mption at 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz	max min max min max min max in-rush holding	%Us %Us %Us %Us %Us %Us %Us %Us	24 80 110 20 55 80 110 20 55 75 9
Rated AC voltage at 50 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 mption at 20°C of 50/60Hz coil powered at 50Hz	max min max min max min max in-rush holding in-rush holding	%Us %Us %Us %Us %Us %Us %Us VA VA	24 80 110 20 55 80 110 20 55 75 9 70 6.5
Rated AC voltage at 50 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 mption at 20°C of 50/60Hz coil powered at 50Hz of 50/60Hz coil powered at 60Hz	max min max min max min max in-rush holding in-rush	%Us %Us %Us %Us %Us %Us %Us VA VA	24 80 110 20 55 80 110 20 55 75 9

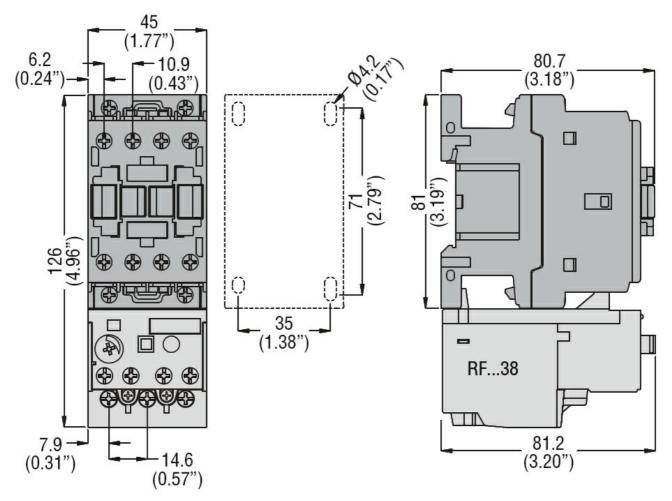


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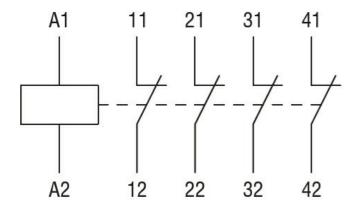
	holding	VA	9
Dissipation at holding ≤20°C 50Hz		W	2.5
Max cycles frequency			
Mechanical operation	(cycles/h	3600
Operating times			
Average time for Us control			
in AC			
Closing NO			
	min	ms	8
	max	ms	24
Opening NO			
	min	ms	10
	max	ms	20
Closing NC			
	min	ms	9
	max	ms	25
Opening NC			
	min	ms	9
	max	ms	15
UL technical data			
General USE			
Auxiliary contacts		_	
	AC current	Α	10
Contact rating of auxiliary contacts according to UL			A600 - P600
Ambient conditions			
Temperature			
Operating temperature		2.0	
	min	°C	-50
	max	°C	70
Storage temperature		2.0	
	min	°C	-60
A. Direct	max	°C	80
Max altitude		m	3000
Resistance & Protection			
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