



Product designation				Auxiliary
Product type designat	ion			contactor BF00
Contact characteristic				Broo
Number of poles			Nr.	4
Rated insulation voltage	ae Ui IEC/EN		V	690
Rated impulse withsta			kV	6
Operational frequency	· · ·			
		min	Hz	25
		max	Hz	400
IEC Conventional free	air thermal current Ith		Α	10
Protection fuse				
		gG (IEC)	А	25
Tightening torque for t	erminals	3 ()		
5 5 1		min	Nm	1.5
		max	Nm	1.8
		min	Ibin	1.1
		max	lbin	1.5
Tightening torque for a	coil terminal			
0 0 1		min	Nm	0.8
		max	Nm	1
		min	Ibin	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 protec	tion according to IEC/EN 60529			IP20 when
				properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail
				35mm
Weight			g	496

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Conductor section

AWG/kcmil conductor section

		Section	max		10
Auxiliary contact chara	cteristics				
Thermal current Ith				А	10
IEC/EN 60947-5-1 des	signation				A600 - P600
Operating current AC1	5				
			230V	А	3
			400V	А	1.9
			500V	А	1.4
Operating current DC1	2				
			110V	А	5.7
Operating current DC1	3				
			24V	А	5.7
			48V	А	2.9
			60V	А	2.3
			110V	А	1.25
			125V	А	1.1
			220V	А	0.55
			600V	А	0.2
Operations					
Mechanical life				cycles	2000000
Safety related data					
Performance level B1	0d according to EN/ISO	13489-1			
			mechanical load	cycles	20000000
Mirror contats according	ng to IEC/EN 609474-4-1				YES
EMC compatibility					yes
DC coil operating					
DC coil operating DC rated control voltage	ge			V	220
	ge			V	220
DC rated control voltage	ge pick-up			V	220
DC rated control voltage	-		min	V %Us	220 70
DC rated control voltage	-		min max		
DC rated control voltage	-			%Us	70
DC rated control voltage	pick-up			%Us	70
DC rated control voltage DC operating voltage	pick-up drop-out		max	%Us %Us	70 125
DC rated control voltage	pick-up drop-out		max min	%Us %Us %Us	70 125 10
DC rated control voltage DC operating voltage	pick-up drop-out		max min	%Us %Us %Us	70 125 10
DC rated control voltage DC operating voltage	pick-up drop-out		max min max	%Us %Us %Us %Us	70 125 10 40
DC rated control voltage DC operating voltage	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us W	70 125 10 40 5.4
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us W	70 125 10 40 5.4 5.4
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C		max min max in-rush	%Us %Us %Us %Us W W	70 125 10 40 5.4 5.4
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation	pick-up drop-out tion ≤20°C		max min max in-rush	%Us %Us %Us %Us W W	70 125 10 40 5.4 5.4
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C		max min max in-rush	%Us %Us %Us %Us W W	70 125 10 40 5.4 5.4
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Closing NO	max min max in-rush holding	%Us %Us %Us %Us W W	70 125 10 40 5.4 5.4 3600
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Closing NO	max min max in-rush	%Us %Us %Us %Us W W	70 125 10 40 5.4 5.4 3600
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	-	max min max in-rush holding	%Us %Us %Us %Us W W	70 125 10 40 5.4 5.4 3600
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Closing NO Opening NO	max min max in-rush holding min max	%Us %Us %Us %Us W W vv	70 125 10 40 5.4 5.4 3600 54 66
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	-	max min max in-rush holding min	%Us %Us %Us %Us W W vv	70 125 10 40 5.4 5.4 3600 54 66 14
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Opening NO	max min max in-rush holding min max	%Us %Us %Us W W V cycles/h	70 125 10 40 5.4 5.4 3600 54 66
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	-	max min max in-rush holding min max min max	%Us %Us %Us W W V cycles/h ms ms	70 125 10 40 5.4 5.4 3600 54 66 14 17
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Opening NO	max min max in-rush holding min max min	%Us %Us %Us W W V cycles/h ms ms	70 125 10 40 5.4 5.4 3600 54 66 14

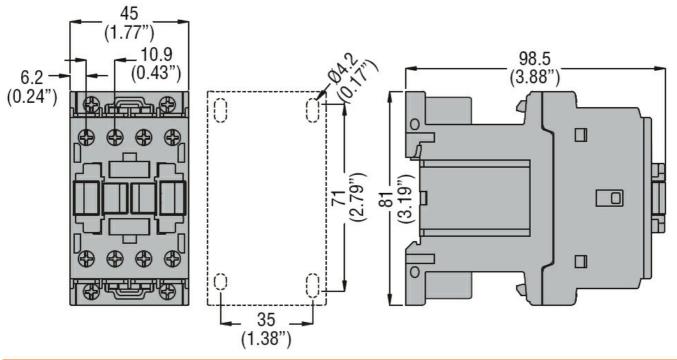
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The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

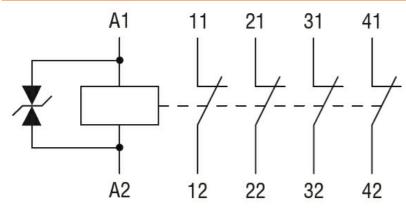


	Opening NC			
		min	ms	47
		max	ms	57
UL technical data				
General USE				
	Auxiliary contacts			
		AC current	А	10
Contact rating of aux	iliary contacts according to UL			A600 - P600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Protec	tion			
Pollution degree				3
Dimensions				

Dimensions



Wiring diagrams



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Certifications and compliance

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 rolay

Contactor relay