



Product designation				Auxiliary contactor
Product type designat	ion			BF00
Contact characteristics				2.00
Number of poles			Nr.	4
Rated insulation voltage	ge Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp			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	9- ()		
		min	Nm	1.5
		max	Nm	1.8
		min	lbin	1.1
		max	Ibin	1.5
Tightening torque for a	coil terminal			
5 1 5 1 1 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			
	, and the second s	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

	AWG/Kernin conductors	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 B10	Od according to EN/ISO	13489-1			
			mechanical load	cycles	2000000
Mirror contats according	ng to IEC/EN 609474-4-1				YES
EMC compatibility					yes
DC coil operating					
DC rated control voltage	ge			V	125
	ge			V	125
DC rated control voltage	ge pick-up				
DC rated control voltage			min	%Us	70
DC rated control voltage	pick-up		min max		
DC rated control voltage				%Us %Us	70 125
DC rated control voltage	pick-up			%Us	70
DC rated control 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 40
DC rated control 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	pick-up drop-out		max min max	%Us %Us %Us %Us	70 125 10 40
DC rated control voltag DC operating voltage Average coil consump Max cycles frequency	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us W W	70 125 10 40 5.4 5.4
DC rated control voltag 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 voltag 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 voltag 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 voltag 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 voltag 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 voltag 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 min	%Us %Us %Us %Us W W vv	70 125 10 40 5.4 5.4 3600 54
DC rated control voltag 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 voltag 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 W W V cycles/h	70 125 10 40 5.4 5.4 3600 54 66
DC rated control voltag 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	%Us %Us %Us W W V cycles/h ms ms	70 125 10 40 5.4 5.4 3600 54 66 14
DC rated control voltag 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 voltag 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 ms ms	70 125 10 40 5.4 5.4 3600 54 66 14 17
DC rated control voltag 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 vv cycles/h ms ms	70 125 10 40 5.4 5.4 3600 54 66 14

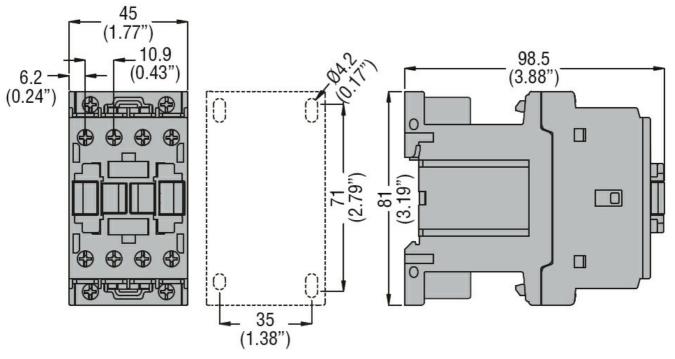
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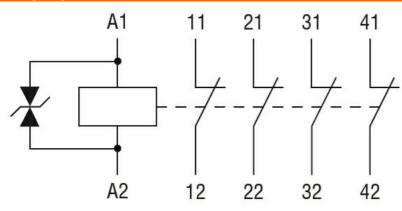


Ope	ening NC		
	min	ms	47
	max	ms	57
UL technical data			
General USE			
Auxiliary contacts			
	AC current	А	10
Contact rating of auxiliary contacts according to UL			A600 - P600
Ambient conditions			
Temperature			
Operating temperature			
	min	°C	-50
	max	°C	70
Storage temperature			
	min	°C	-60
	max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

Dimensions



Wiring diagrams





## 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 roles

Contactor relay