



Product designation				Auxiliary
Product type designat			contactor BF00	
Contact characteristic				DI 00
Number of poles	5		Nr.	4
Rated insulation voltage	ne Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp			kV	6
Operational frequency				•
oporational nequency		min	Hz	25
		max	Hz	400
IEC Conventional free	air thermal current Ith		A	10
Protection fuse			,,	
		gG (IEC)	А	25
Tightening torque for t	erminals	90 (,,	20
nginoning torquo for t		min	Nm	1.5
		max	Nm	1.8
		min	Ibin	1.1
		max	Ibin	1.5
Tightening torque for a	coil terminal			
		min	Nm	0.8
		max	Nm	1
		min	Ibin	0.8
		max	Ibin	0.74
Max number of wires	simultaneously connectable		Nr.	2
Conductor section	,			
	AWG/Kcmil			
		max		10
	Flexible w/o lug conductor section			
	U U	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

BF0004D060



Conductor section

AWG/kcmil conductor section

		max		10
Auxiliary contact characterist	ics			
Thermal current Ith			А	10
IEC/EN 60947-5-1 designati	on			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	А	1.1
		220V	А	0.55
		600V	А	0.2
Operations				
Mechanical life			cycles	2000000
Safety related data				
Performance level B10d acc	cording to EN/ISO 13489-1			
	mechar	nical load	cycles	20000000
Mirror contats according to II	EC/EN 609474-4-1			YES
EMC compatibility				yes
DC coil operating				
DC coil operating DC rated control voltage			V	60
			V	60
DC rated control voltage DC operating voltage	-up		V	60
DC rated control voltage	-up	min	V %Us	60 70
DC rated control voltage DC operating voltage	-up	min max		
DC rated control voltage DC operating voltage			%Us	70
DC rated control voltage DC operating voltage pick-			%Us	70
DC rated control voltage DC operating voltage pick-		max	%Us %Us	70 125
DC rated control voltage DC operating voltage pick-	p-out	max min	%Us %Us %Us	70 125 10
DC rated control voltage DC operating voltage pick- drop	p-out	max min	%Us %Us %Us	70 125 10
DC rated control voltage DC operating voltage pick- drop	p-out	max min max	%Us %Us %Us %Us	70 125 10 40
DC rated control voltage DC operating voltage pick- drop	p-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- drop Average coil consumption ≤2	p-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 pick- drop Average coil consumption ≤2 Max cycles frequency	p-out	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 pick- drop Average coil consumption ≤2 <u>Max cycles frequency</u> Mechanical operation	p-out	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 pick- drop Average coil consumption ≤2 Max cycles frequency Mechanical operation Operating times	o-out 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 pick- drop Average coil consumption ≤2 Max cycles frequency Mechanical operation Operating times Average time for Us control	o-out 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 pick- drop Average coil consumption ≤2 Max cycles frequency Mechanical operation Operating times Average time for Us control	-out 20°C 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 pick- drop Average coil consumption ≤2 Max cycles frequency Mechanical operation Operating times Average time for Us control	-out 20°C 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 pick- drop Average coil consumption ≤2 Max cycles frequency Mechanical operation Operating times Average time for Us control	-out 20°C C	max min max in-rush holding min	%Us %Us %Us W W W cycles/h	70 125 10 40 5.4 5.4 3600
DC rated control voltage DC operating voltage pick- drop Average coil consumption ≤2 Max cycles frequency Mechanical operation Operating times Average time for Us control	-out 20°C C Closing NO	max min max in-rush holding min	%Us %Us %Us W W W cycles/h	70 125 10 40 5.4 5.4 3600 54 66 14
DC rated control voltage DC operating voltage pick- drop Average coil consumption ≤2 Max cycles frequency Mechanical operation Operating times Average time for Us control	e-out 20°C C Closing NO Opening NO	max min max in-rush holding min max	%Us %Us %Us W W W Cycles/h	70 125 10 40 5.4 5.4 3600 54 66
DC rated control voltage DC operating voltage pick- drop Average coil consumption ≤2 Max cycles frequency Mechanical operation Operating times Average time for Us control	-out 20°C C Closing NO	max min max in-rush holding min max min	%Us %Us %Us W W W Cycles/h	70 125 10 40 5.4 5.4 3600 54 66 14
DC rated control voltage DC operating voltage pick- drop Average coil consumption ≤2 Max cycles frequency Mechanical operation Operating times Average time for Us control	e-out 20°C C Closing NO Opening NO	max min max in-rush holding min max min	%Us %Us %Us W W W Cycles/h	70 125 10 40 5.4 5.4 3600 54 66 14

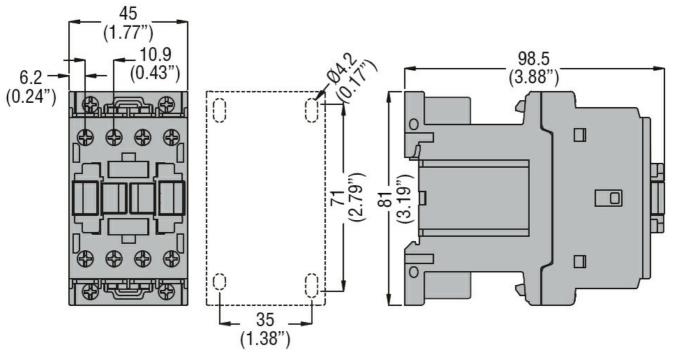
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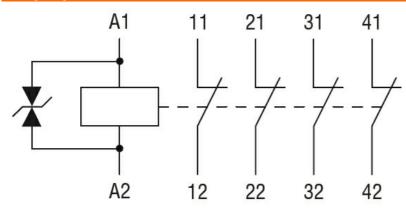


	Opening NC			
		min	ms	47
		max	ms	57
UL technical data				
General USE				
	Auxiliary contacts			
		AC current	А	10
Contact rating of auxilia	ry contacts according to UL			A600 - P600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
	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

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 rolay

Contactor relay