



Product designation				Auxiliary contactor
Product type designat			BF00	
Contact characteristic				DI 00
Number of poles			Nr.	4
Rated insulation voltage	ge 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			А	10
Protection fuse				
		gG (IEC)	А	25
Tightening torque for t	erminals			
		min	Nm	1.5
		max	Nm	1.8
		min	lbin	1.1
		max	lbin	1.5
Tightening torque for a	coil terminal			
		min	Nm	0.8
		max	Nm	1
		min	lbin	0.8
		max	lbin	0.74
	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		2	
		min	mm²	1
	The Mills Mills is the second state of the sec	max	mm²	4
	Flexible with insulated spade lug conductor section			4
		min	mm² mm²	1 4
		max	111111	IP20 when
Power terminal protect	tion according to IEC/EN 60529			properly wired
Mechanical features				property writed
Operating position				
- Por ann 9 Pool ann		normal		Vertical plan
		allowable		±30°
				Screw / DIN rail
Fixing				35mm
Weight			g	500
č			5	



Conductor section

AWG/kcmil conductor section

AW G/Kernin C		max		10
Auxiliary contact characteristics				
Thermal current Ith			А	10
IEC/EN 60947-5-1 designation				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 according to	o EN/ISO 13489-1			
		mechanical load	cycles	2000000
Mirror contats according to IEC/EN 6	609474-4-1			YES
EMC compatibility				yes
DC coil operating				
DC rated control voltage			V	24
			V	24
DC rated control voltage				
DC rated control voltage DC operating voltage		min	%Us	80
DC rated control voltage DC operating voltage		min max		
DC rated control voltage DC operating voltage			%Us %Us	80 110
DC rated control voltage DC operating voltage pick-up			%Us	80
DC rated control voltage DC operating voltage pick-up drop-out		max	%Us %Us	80 110
DC rated control voltage DC operating voltage pick-up		maxmin	%Us %Us %Us	80 110 10 40
DC rated control voltage DC operating voltage pick-up drop-out		max min max in-rush	%Us %Us %Us %Us W	80 110 10 40 2.4
DC rated control voltage DC operating voltage pick-up drop-out Average coil consumption ≤20°C		max min max	%Us %Us %Us %Us	80 110 10 40
DC rated control voltage DC operating voltage pick-up drop-out Average coil consumption ≤20°C		max min max in-rush	%Us %Us %Us %Us W W	80 110 10 40 2.4 2.4 2.4
DC rated control voltage DC operating voltage pick-up drop-out Average coil consumption ≤20°C Max cycles frequency Mechanical operation		max min max in-rush	%Us %Us %Us %Us W	80 110 10 40 2.4 2.4 2.4
DC rated control voltage   DC operating voltage   pick-up   drop-out   Average coil consumption ≤20°C   Max cycles frequency   Mechanical operation   Operating times		max min max in-rush	%Us %Us %Us %Us W W	80 110 10 40 2.4 2.4 2.4
DC rated control voltage   DC operating voltage   pick-up   drop-out   Average coil consumption ≤20°C   Max cycles frequency   Mechanical operation   Operating times   Average time for Us control		max min max in-rush	%Us %Us %Us %Us W W	80 110 10 40 2.4 2.4 2.4
DC rated control voltage   DC operating voltage   pick-up   drop-out   Average coil consumption ≤20°C   Max cycles frequency   Mechanical operation   Operating times		max min max in-rush	%Us %Us %Us %Us W W	80 110 10 40 2.4 2.4 2.4
DC rated control voltage   DC operating voltage   pick-up   drop-out   Average coil consumption ≤20°C   Max cycles frequency   Mechanical operation   Operating times   Average time for Us control	Closing NO	max min max in-rush holding	%Us %Us %Us %Us W W	80 110 10 40 2.4 2.4 3600
DC rated control voltage   DC operating voltage   pick-up   drop-out   Average coil consumption ≤20°C   Max cycles frequency   Mechanical operation   Operating times   Average time for Us control	Closing NO	max min max in-rush holding min	%Us %Us %Us %Us W W vv	80 110 10 40 2.4 2.4 3600 75
DC rated control voltage   DC operating voltage   pick-up   drop-out   Average coil consumption ≤20°C   Max cycles frequency   Mechanical operation   Operating times   Average time for Us control	-	max min max in-rush holding	%Us %Us %Us %Us W W	80 110 10 40 2.4 2.4 3600
DC rated control voltage   DC operating voltage   pick-up   drop-out   Average coil consumption ≤20°C   Max cycles frequency   Mechanical operation   Operating times   Average time for Us control	Closing NO Opening NO	max min max in-rush holding min max	%Us %Us %Us W W V cycles/h	80 110 10 40 2.4 2.4 3600 75 91
DC rated control voltage   DC operating voltage   pick-up   drop-out   Average coil consumption ≤20°C   Max cycles frequency   Mechanical operation   Operating times   Average time for Us control	-	max min max in-rush holding min max min	%Us %Us %Us W W V cycles/h ms ms	80 110 10 40 2.4 2.4 3600 75 91 15
DC rated control voltage   DC operating voltage   pick-up   drop-out   Average coil consumption ≤20°C   Max cycles frequency   Mechanical operation   Operating times   Average time for Us control	Opening NO	max min max in-rush holding min max	%Us %Us %Us W W V cycles/h	80 110 10 40 2.4 2.4 3600 75 91
DC rated control voltage   DC operating voltage   pick-up   drop-out   Average coil consumption ≤20°C   Max cycles frequency   Mechanical operation   Operating times   Average time for Us control	-	max min max in-rush holding min max min max	%Us %Us %Us W W Cycles/h	80 110 10 40 2.4 2.4 3600 75 91 15 19
DC rated control voltage   DC operating voltage   pick-up   drop-out   Average coil consumption ≤20°C   Max cycles frequency   Mechanical operation   Operating times   Average time for Us control	Opening NO	max min max in-rush holding min max min	%Us %Us %Us W W V cycles/h ms ms	80 110 10 40 2.4 2.4 3600 75 91 15

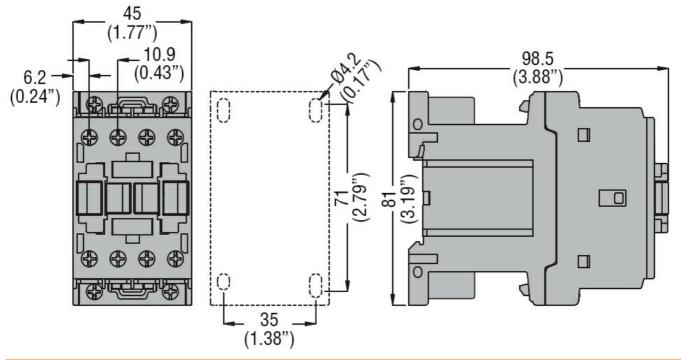
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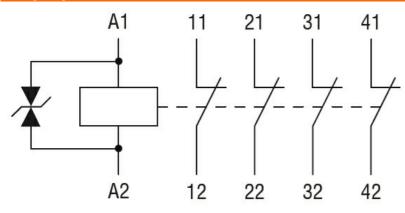
## BF0004L024 CONTROL RELAY WITH DC COIL LOW CONSUMPTION, 24VDC, 4NC

	Opening NC			
		min	ms	67
		max	ms	81
UL technical data				
General USE				
	Auxiliary contacts			
		AC current	Α	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



Wiring diagrams





Certifications and corr	npliance	
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		
	<u>CCC</u>	
	cULus	
	EAC	
ETIM classification		
ETIM 8.0		EC000196 -
0.0		Contactor relay

Contactor relay