



Product designation				Auxiliary
Product type designat	ion			contactor BF00
Contact characteristics				DI 00
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)	Α	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 o	coil terminal			
		min	Nm	0.8
		max	Nm	1
		min	lbin	0.8
		max	Ibin	0.74
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		max		10
	Flexible w/o lug conductor section		2	
		min	mm²	1
	Ele alle delle control de conserva	max	mm²	6
	Flexible c/w lug conductor section		2	4
		min	mm²	1
	Elevible with insulated anode lug conductor section	max	mm²	4
	Flexible with insulated spade lug conductor section	min	mm²	1
		max	mm²	4
		IIIdx	111111	IP20 when
Power terminal protect	tion according to IEC/EN 60529			properly wired
Mechanical features				proponty amou
Operating position				
, 5,		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight			g	496
			Э	



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Conductor section			
AWG/kcmil conductor section			
A sufficient constant about station	max		10
Auxiliary contact characteristics Thermal current Ith		Α	10
IEC/EN 60947-5-1 designation			A600 - P600
Operating current AC15			A000 - 1 000
Operating durient No to	230V	Α	3
	400V	A	1.9
	500V	A	1.4
Operating current DC12			
3	110V	Α	5.7
Operating current DC13	<u> </u>		
3	24V	Α	5.7
	48V	Α	2.9
	60V	Α	2.3
	110V	Α	1.25
	125V	Α	1.1
	220V	Α	0.55
	600V	Α	0.2
Operations			
Mechanical life		cycles	20000000
Safety related data			
Performance level B10d according to EN/ISO 13489-1			
	mechanical load	cycles	20000000
Mirror contats according to IEC/EN 609474-4-1			YES
EMC compatibility			yes
DC coil operating			yes
		V	yes 48
DC coil operating		V	
DC coil operating DC rated control voltage		V	
DC coil operating DC rated control voltage DC operating voltage	min	V %Us	70
DC coil operating DC rated control voltage DC operating voltage	min max		48
DC coil operating DC rated control voltage DC operating voltage		%Us %Us	70 125
DC coil operating DC rated control voltage DC operating voltage pick-up		%Us %Us %Us	48 70 125 10
DC coil operating DC rated control voltage DC operating voltage pick-up drop-out	max	%Us %Us	70 125
DC coil operating DC rated control voltage DC operating voltage pick-up	max min max	%Us %Us %Us %Us	70 125 10 40
DC coil operating DC rated control voltage DC operating voltage pick-up drop-out	max min max in-rush	%Us %Us %Us %Us	48 70 125 10 40 5.4
DC coil operating DC rated control voltage DC operating voltage pick-up drop-out Average coil consumption ≤20°C	max min max	%Us %Us %Us %Us	70 125 10 40
DC coil operating 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	70 125 10 40 5.4 5.4
DC coil operating 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	70 125 10 40 5.4 5.4
DC coil operating 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	70 125 10 40 5.4 5.4
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	70 125 10 40 5.4 5.4
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 in DC	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-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	48 70 125 10 40 5.4 5.4 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 in DC	min max in-rush holding	%Us %Us %Us %Us W W	48 70 125 10 40 5.4 5.4 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 in DC Closing NO	max min max in-rush holding	%Us %Us %Us %Us W W	48 70 125 10 40 5.4 5.4 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 in DC	min max in-rush holding min max	%Us %Us %Us %Us W W cycles/h	70 125 10 40 5.4 5.4 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 in DC Closing NO	min max in-rush holding min max min min max	%Us %Us %Us %Us W W cycles/h	48 70 125 10 40 5.4 5.4 3600 54 66 14
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 in DC Closing NO Opening NO	min max in-rush holding min max	%Us %Us %Us %Us W W cycles/h	70 125 10 40 5.4 5.4 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 in DC Closing NO	min max in-rush holding min max min max min max	%Us %Us %Us %Us W W cycles/h	70 125 10 40 5.4 5.4 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 in DC Closing NO Opening NO	min max in-rush holding min max min min max	%Us %Us %Us %Us W W cycles/h	48 70 125 10 40 5.4 5.4 3600 54 66 14

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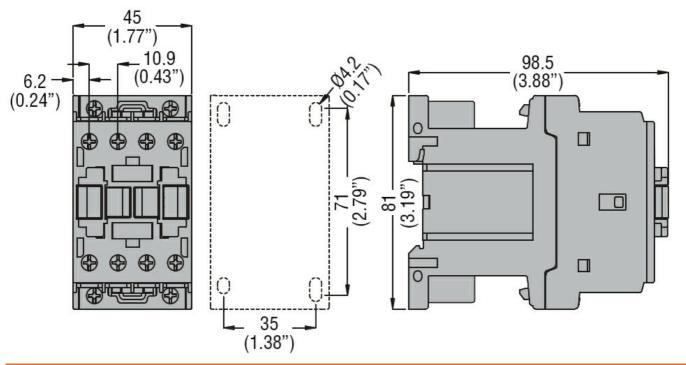
Opening NC

min	ms	47
max	ms	57

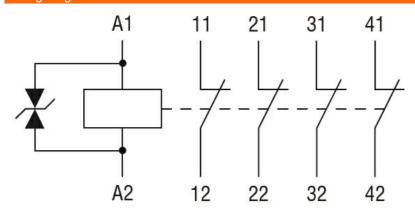
UL technical data

General USE				
	Auxiliary contacts			
		AC current	Α	10
Contact rating of auxil	iary 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 & Protecti	ion			

Pollution degree Dimensions



Wiring diagrams



Contactor relay



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Certifications and co	mpliance	
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 -
L I IIVI O.O		Contactor roles