



Product designation			Auxiliary contactor		
Product type designation			BF00		
Contact characteristics					
Number of poles			Nr.	4	
Rated insulation voltage 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			A	10	
Protection fuse			gG (IEC)	A	25
Tightening torque for terminals			min	Nm	1.5
			max	Nm	1.8
			min	lbin	1.1
			max	lbin	1.5
Tightening torque for coil terminal			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		
			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 protection according to IEC/EN 60529				IP20 when properly wired	
Mechanical features					
Operating position			normal allowable	Vertical plan ±30°	
Fixing				Screw / DIN rail 35mm	
Weight			g	496	
Auxiliary contact characteristics					

Thermal current I <sub>th</sub>	A	10
IEC/EN 60947-5-1 designation	A600 - P600	
Operating current AC15	230V	A 3
	400V	A 1.9
	500V	A 1.4
Operating current DC12	110V	A 5.7
Operating current DC13	24V	A 5.7
	48V	A 2.9
	60V	A 2.3
	110V	A 1.25
	125V	A 1.1
	220V	A 0.55
	600V	A 0.2
<b>Operations</b>		
Mechanical life	cycles	20000000
<b>Safety related data</b>		
Performance level B10d according to EN/ISO 13489-1	mechanical load	cycles 20000000
EMC compatibility		yes
<b>DC coil operating</b>		
DC rated control voltage	V	220
DC operating voltage		
pick-up	min	%U <sub>s</sub> 70
	max	%U <sub>s</sub> 125
drop-out	min	%U <sub>s</sub> 10
	max	%U <sub>s</sub> 40
Average coil consumption ≤20°C	in-rush	W 5.4
	holding	W 5.4
<b>Max cycles frequency</b>		
Mechanical operation	cycles/h	3600
<b>Operating times</b>		
Average time for U <sub>s</sub> control		
in DC		
Closing NO	min	ms 54
	max	ms 66
Opening NO	min	ms 14
	max	ms 17
Closing NC	min	ms 24
	max	ms 30
Opening NC	min	ms 47
	max	ms 57
<b>UL technical data</b>		
Rated operational voltage AC (UL)	V	600

## General USE

Auxiliary contacts

AC current A 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

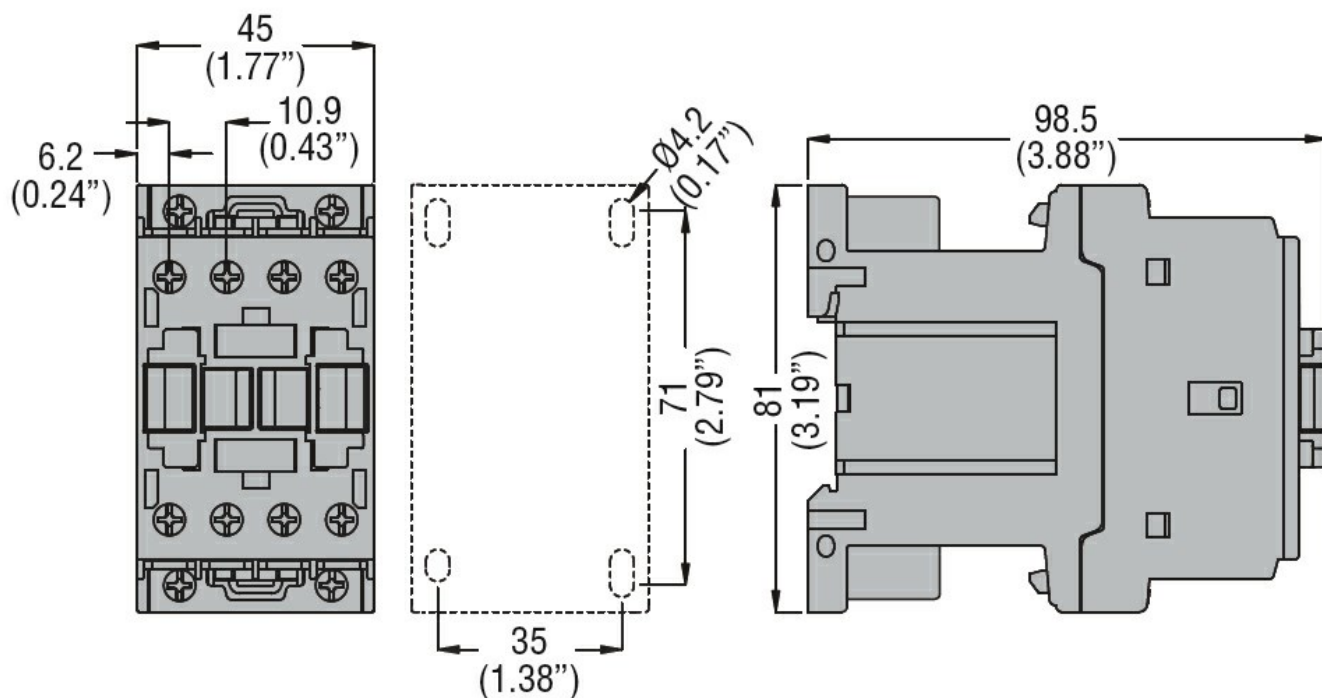
m 3000

## Resistance & Protection

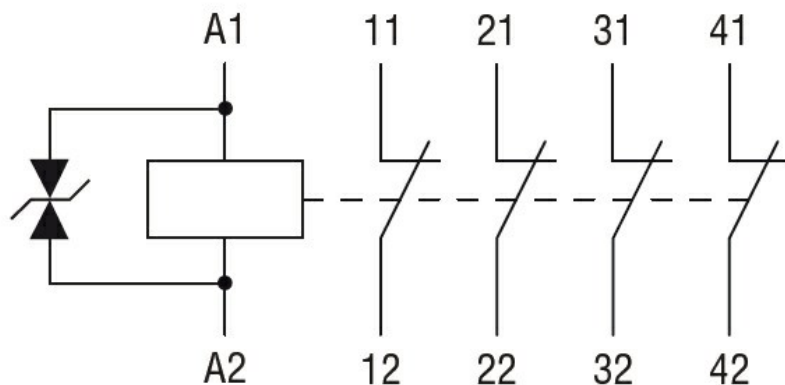
Pollution degree

3

## Dimensions



## Wiring diagrams



## Certifications and compliance

Compliance

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 relay
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