



Product designation				Auxiliary
Product type designat	tion			contactor 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		A	10
Operational current le				
		AC-1 (≤55°C)	А	0
Protection fuse				
		gG (IEC)	А	25
Tightening torque for t	terminals			
		min	Nm	1.5
		max	Nm	1.8
		min	Ibin	1.1
		max	Ibin	1.5
Tightening torque for	Tightening torque for 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			
		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 protect	tion according to IEC/EN 60529			IP20 when
•	Ŭ, Santa de la constante de l			properly wired
Mechanical features				
Operating position		, a a maa a l		Vertical star
		normal		Vertical plan ±30°
		allowable		±30

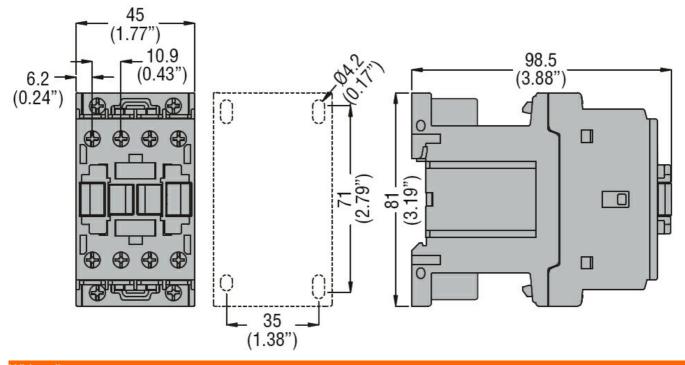


ïxing					Screw / DIN ra 35mm
Veight				g	496
Conductor section					
	AWG/kcmil conductor	section			
			max		10
uxiliary contact chara	acteristics				
hermal current Ith				Α	10
EC/EN 60947-5-1 de	esignation				A600 - P600
Operating current AC	15				
			230V	А	3
			400V	А	1.9
			500V	А	1.4
Operating current DC	:12				
			110V	А	5.7
Operating current DC	:13				
			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					
lechanical life				cycles	2000000
				cycles	20000000
Aechanical life Safety related data	10d according to EN/ISO	13489-1		cycles	20000000
Aechanical life Safety related data	10d according to EN/ISO	13489-1	mechanical load	cycles cycles	20000000
Aechanical life Safety related data Performance level B1	10d according to EN/ISO		mechanical load		
Aechanical life Safety related data Performance level B1	_		mechanical load		20000000
Aechanical life Safety related data Performance level B1 Airror contats accord	_		mechanical load		20000000 YES
Aechanical life Safety related data Performance level B1 Airror contats accord EMC compatibility	ing to IEC/EN 609474-4-1		mechanical load		20000000 YES
Aechanical life Safety related data Performance level B1 Airror contats accord MC compatibility OC coil operating OC rated control volta	ing to IEC/EN 609474-4-1 age		mechanical load	cycles	20000000 YES yes
Aechanical life Safety related data Performance level B1 Airror contats accord MC compatibility OC coil operating	ing to IEC/EN 609474-4-1 age		mechanical load	cycles	20000000 YES yes
Aechanical life Safety related data Performance level B1 Airror contats accord MC compatibility OC coil operating OC rated control volta	ing to IEC/EN 609474-4-1 age		mechanical load	cycles	20000000 YES yes
Aechanical life Safety related data Performance level B1 Airror contats accord MC compatibility OC coil operating OC rated control volta	ing to IEC/EN 609474-4-1 age			cycles V	20000000 YES yes 60
Aechanical life Safety related data Performance level B1 Airror contats accord MC compatibility OC coil operating OC rated control volta	ing to IEC/EN 609474-4-1 age		min	cycles V %Us	20000000 YES yes 60 70
Aechanical life Safety related data Performance level B1 Airror contats accord MC compatibility OC coil operating OC rated control volta	ing to IEC/EN 609474-4-1 age pick-up		min	cycles V %Us	20000000 YES yes 60 70
Aechanical life Safety related data Performance level B1 Airror contats accord MC compatibility OC coil operating OC rated control volta	ing to IEC/EN 609474-4-1 age pick-up		min max	v V %Us %Us	20000000 YES yes 60 70 125
Aechanical life Safety related data Performance level B1 Airror contats accord MC compatibility OC coil operating OC rated control volta	ing to IEC/EN 609474-4-1 age pick-up drop-out		min max min	cycles V %Us %Us %Us	20000000 YES yes 60 70 125 10
Aechanical life Safety related data Performance level B1 Airror contats accord MC compatibility OC coil operating OC rated control volta OC operating voltage	ing to IEC/EN 609474-4-1 age pick-up drop-out		min max min	cycles V %Us %Us %Us	20000000 YES yes 60 70 125 10
Aechanical life Safety related data Performance level B1 Airror contats accord MC compatibility OC coil operating OC rated control volta OC operating voltage	ing to IEC/EN 609474-4-1 age pick-up drop-out		min max min max	cycles V %Us %Us %Us %Us	20000000 YES yes 60 70 125 10 40
Aechanical life Safety related data Performance level B1 Airror contats accord MC compatibility OC coil operating OC rated control volta OC operating voltage	ing to IEC/EN 609474-4-1 age pick-up drop-out ption ≤20°C		min max min max in-rush	cycles V %Us %Us %Us %Us %Us	20000000 YES yes 60 70 125 10 40 5.4
Aechanical life Safety related data Performance level B1 Airror contats accord MC compatibility OC coil operating OC rated control volta OC operating voltage	ing to IEC/EN 609474-4-1 age pick-up drop-out ption ≤20°C		min max min max in-rush	cycles V %Us %Us %Us %Us %Us	20000000 YES yes 60 70 125 10 40 5.4 5.4
Aechanical life Safety related data Performance level B1 Airror contats accord MC compatibility OC coil operating OC rated control volta OC operating voltage	ing to IEC/EN 609474-4-1 age pick-up drop-out ption ≤20°C		min max min max in-rush	Cycles V %Us %Us %Us %Us %Us %Us	20000000 YES yes 60 70 125 10 40 5.4 5.4
Aechanical life Safety related data Performance level B1 Airror contats accord MC compatibility OC coil operating OC rated control volta OC operating voltage	ing to IEC/EN 609474-4-1 age pick-up drop-out ption ≤20°C		min max min max in-rush	Cycles V %Us %Us %Us %Us %Us %Us	20000000 YES yes 60 70 125 10 40 5.4 5.4
Aechanical life Safety related data Performance level B1 Airror contats accord MC compatibility OC coil operating OC rated control volta OC operating voltage Average coil consump Aax cycles frequency Aechanical operation Operating times	ing to IEC/EN 609474-4-1 age pick-up drop-out ption ≤20°C		min max min max in-rush	Cycles V %Us %Us %Us %Us %Us %Us	20000000 YES yes 60 70 125 10 40 5.4 5.4
Aechanical life Safety related data Performance level B1 Airror contats accord MC compatibility OC coil operating OC rated control volta OC operating voltage Average coil consump Aax cycles frequency Aechanical operation Operating times	ing to IEC/EN 609474-4-1 age pick-up drop-out ption ≤20°C		min max min max in-rush	Cycles V %Us %Us %Us %Us %Us %Us	20000000 YES yes 60 70 125 10 40 5.4 5.4
Aechanical life Safety related data Performance level B1 Airror contats accord MC compatibility OC coil operating OC rated control volta OC operating voltage Average coil consump Aax cycles frequency Aechanical operation Operating times	ing to IEC/EN 609474-4-1 age pick-up drop-out ption ≤20°C		min max min max in-rush	Cycles V %Us %Us %Us %Us %Us %Us	20000000 YES yes 60 70 125 10 40 5.4 5.4
Aechanical life Safety related data Performance level B1 Airror contats accord MC compatibility OC coil operating OC rated control volta OC operating voltage Average coil consump Aax cycles frequency Aechanical operation Operating times	ing to IEC/EN 609474-4-1 age pick-up drop-out ption ≤20°C		min max min max in-rush holding	cycles V %Us %Us %Us %Us %Us %Us	20000000 YES yes 60 70 125 10 40 5.4 5.4 5.4 3600
Aechanical life Safety related data Performance level B1 Airror contats accord MC compatibility OC coil operating OC rated control volta OC operating voltage Average coil consump Aax cycles frequency Aechanical operation Operating times	ing to IEC/EN 609474-4-1 age pick-up drop-out ption ≤20°C		min max min max in-rush holding min	cycles V %Us %Us %Us %Us %Us %Us %Us %Us %Us	20000000 YES yes 60 70 125 10 40 5.4 5.4 3600
Aechanical life Safety related data Performance level B1 Airror contats accord MC compatibility OC coil operating OC rated control volta OC operating voltage Average coil consump Aax cycles frequency Aechanical operation Operating times	ing to IEC/EN 609474-4-1 age pick-up drop-out ption ≤20°C	Closing NO	min max min max in-rush holding min	cycles V %Us %Us %Us %Us %Us %Us %Us %Us %Us	20000000 YES yes 60 70 125 10 40 5.4 5.4 3600



CONTROL RELAY WITH DC COIL, 60VDC, 3NO AND 1NC

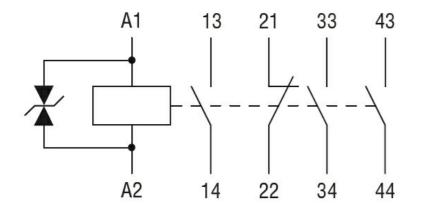
	Closing NC			
		min	ms	24
		max	ms	30
	Opening NC			
		min	ms	47
		max	ms	57
UL technical data				
General USE				
	Auxiliary contacts			
		AC current	А	10
Contact rating of au	xiliary contacts according to UL			A600 - P600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Prote	ction			
Pollution degree				3
Dimensions				



Wiring diagrams



BF0031D060 CONTROL RELAY WITH DC COIL, 60VDC, 3NO AND 1NC



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 EC000196 -ETIM 8.0 Contactor relay