



Product designation				Auxiliary
Product type designation				contactor BF00
Contact characteristic				Broo
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
IFC Conventional free	air thermal current Ith	max	A	10
Operational current le			7.	10
oporational ourion to		AC-1 (≤55°C)	А	0
Protection fuse		//0 / (=00 0)	7	•
Theelion hase		gG (IEC)	А	25
Tightening torque for t	torminale	gg (ILC)	~	23
nginening torque for		min	Nm	1.5
			Nm	1.8
		max min	Ibin	1.1
Tichtoning to your for		max	Ibin	1.5
Tightening torque for	conterminar		Nine	0.0
		min	Nm	0.8
		max	Nm	1
		min	Ibin	0.8
<u>.</u>	· · · · · · · · · · · · · · · · · · ·	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	ction according to IEC/EN 60529			IP20 when
				properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°

BF0022D125



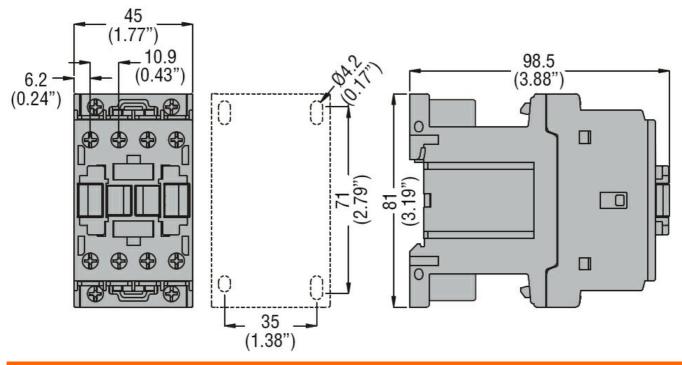
Fixing			Screw / DIN rail 35mm
Weight		g	492
Conductor section			
AWG/kcmil conductor section			
	max		10
Auxiliary contact characteristics		Δ	10
Thermal current lth		A	10 A600 - P600
IEC/EN 60947-5-1 designation Operating current AC15			A000 - P000
Operating current ACTS	230V	А	3
	400V	A	1.9
	500V	A	1.4
Operating current DC12			
	110V	А	5.7
Operating current DC13			
	24V	А	5.7
	48V	A	2.9
	60V	A	2.3
	110V	A	1.25
	125V 220V	A	1.1 0.55
	600V	A A	0.55
	000 v	~	0.2
Operations			
Operations Mechanical life		cvcles	20000000
Operations Mechanical life Safety related data		cycles	20000000
Mechanical life		cycles	20000000
Mechanical life Safety related data Performance level B10d according to EN/ISO 13489-1	mechanical load	cycles cycles	20000000
Mechanical life Safety related data Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1	mechanical load		
Mechanical life Safety related data Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility	mechanical load		20000000
Mechanical life Safety related data Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility DC coil operating	mechanical load	cycles	20000000 YES yes
Mechanical life Safety related data Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility DC coil operating DC rated control voltage	mechanical load		20000000 YES
Mechanical life Safety related data Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility DC coil operating DC rated control voltage DC operating voltage	mechanical load	cycles	20000000 YES yes
Mechanical life Safety related data Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility DC coil operating DC rated control voltage		cycles V	20000000 YES yes 125
Mechanical life Safety related data Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility DC coil operating DC rated control voltage DC operating voltage	min	cycles V %Us	20000000 YES yes 125 70
Mechanical life Safety related data Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility DC coil operating DC rated control voltage DC operating voltage pick-up		cycles V	20000000 YES yes 125
Mechanical life Safety related data Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility DC coil operating DC rated control voltage DC operating voltage	min max	v v vus vus	20000000 YES yes 125 70 125
Mechanical life Safety related data Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility DC coil operating DC rated control voltage DC operating voltage pick-up	min	cycles V %Us	20000000 YES yes 125 70
Mechanical life Safety related data Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility DC coil operating DC rated control voltage DC operating voltage pick-up	min max min	cycles V %Us %Us %Us	20000000 YES yes 125 70 125 10
Mechanical life Safety related data Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility DC coil operating DC rated control voltage DC operating voltage pick-up drop-out	min max min	cycles V %Us %Us %Us	20000000 YES yes 125 70 125 10
Mechanical life Safety related data Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility DC coil operating DC rated control voltage DC operating voltage pick-up drop-out Average coil consumption ≤20°C	min max min max	cycles V %Us %Us %Us %Us	20000000 YES yes 125 70 125 10 40
Mechanical life Safety related data Performance level B10d according to EN/ISO 13489-1  Mirror contats according to IEC/EN 609474-4-1 EMC compatibility DC coil operating DC rated control voltage DC operating voltage pick-up drop-out  Average coil consumption ≤20°C  Max cycles frequency	min max min max in-rush	cycles V %Us %Us %Us %Us %Us %Us	20000000 YES yes 125 70 125 10 40 5.4 5.4
Mechanical life         Safety related data         Performance level B10d according to EN/ISO 13489-1         Mirror contats according to IEC/EN 609474-4-1         EMC compatibility         DC coil operating         DC rated control voltage         DC operating voltage         pick-up         drop-out         Average coil consumption ≤20°C         Max cycles frequency         Mechanical operation	min max min max in-rush	cycles V %Us %Us %Us %Us %Us	20000000 YES yes 125 70 125 10 40 5.4 5.4
Mechanical life         Safety related data         Performance level B10d according to EN/ISO 13489-1         Mirror contats according to IEC/EN 609474-4-1         EMC compatibility         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	min max min max in-rush	cycles V %Us %Us %Us %Us %Us %Us	20000000 YES yes 125 70 125 10 40 5.4 5.4
Mechanical life         Safety related data         Performance level B10d according to EN/ISO 13489-1         Mirror contats according to IEC/EN 609474-4-1         EMC compatibility         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         Average time for Us control	min max min max in-rush	cycles V %Us %Us %Us %Us %Us %Us	20000000 YES yes 125 70 125 10 40 5.4 5.4
Mechanical life         Safety related data         Performance level B10d according to EN/ISO 13489-1         Mirror contats according to IEC/EN 609474-4-1         EMC compatibility         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         Average time for Us control in DC	min max min max in-rush	cycles V %Us %Us %Us %Us %Us %Us	20000000 YES yes 125 70 125 10 40 5.4 5.4
Mechanical life         Safety related data         Performance level B10d according to EN/ISO 13489-1         Mirror contats according to IEC/EN 609474-4-1         EMC compatibility         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         Average time for Us control	min max min max in-rush holding	cycles V %Us %Us %Us %Us %Us %Us	20000000 YES yes 125 70 125 10 40 5.4 5.4 5.4 3600
Mechanical life         Safety related data         Performance level B10d according to EN/ISO 13489-1         Mirror contats according to IEC/EN 609474-4-1         EMC compatibility         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         Average time for Us control in DC	min max min max in-rush holding min	cycles V %Us %Us %Us %Us %Us %Us %Us %Us %Us %Us	20000000 YES yes 125 70 125 10 40 5.4 5.4 3600
Mechanical life Safety related data Performance level B10d according to EN/ISO 13489-1  Mirror contats according to IEC/EN 609474-4-1 EMC compatibility 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 Average time for Us control in DC Closing NO	min max min max in-rush holding	cycles V %Us %Us %Us %Us %Us %Us	20000000 YES yes 125 70 125 10 40 5.4 5.4 5.4 3600
Mechanical life         Safety related data         Performance level B10d according to EN/ISO 13489-1         Mirror contats according to IEC/EN 609474-4-1         EMC compatibility         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         Average time for Us control in DC	min max min max in-rush holding min	cycles V %Us %Us %Us %Us %Us %Us %Us %Us %Us %Us	20000000 YES yes 125 70 125 10 40 5.4 5.4 3600

BF0022D125



CONTROL RELAY WITH DC COIL, 125VDC, 2NO AND 2NC

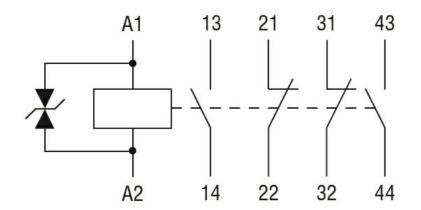
	Closing NC			
		min	ms	24
		max	ms	30
	Opening NC			
		min	ms	47
		max	ms	57
UL technical data				
General USE				
	Auxiliary contacts			
		AC current	А	10
Contact rating of aux	ciliary contacts according to UL			A600 - P600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50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



Wiring diagrams

BF0022D125





## 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		
	000	
	cULus	
	EAC	
ETIM classification		
ETIM 8.0		EC000196 - Contactor relay