



Product designation				Auxiliary contactor
Product type designat	ion			BF00
Contact characteristic				21.00
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
Operational current le				
·		AC-1 (≤55°C)	А	0
Protection fuse		, <i>, ,</i>		
		gG (IEC)	А	25
Tightening torque for t	erminals			
		min	Nm	1.5
		max	Nm	1.8
		min	lbin	1.1
		max	Ibin	1.5
Tightening torque for a	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
·				properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°

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Weight g 358 Conductor section max 10 AWG/komil conductor section max 10 AWG/komil conductor section max 10 AWG/komil conductor section A 10 AWG/komil conductor section A 10 Derating current bit A 10 IEC/EN 60947-5-1 designation A 400V A Operating current DC12 110V A 5.7 Operating current DC13 24V A 5.7 Operating current DC13 24V A 5.7 Operations 2300V A 1.25 Mechanical life cycles 2000000 Satary related data cycles 20000000 Performance level B10d according to EN/ISO 13489-1 mechanical load cycles 2000000 Mirror contats according to IEC/EN 609474-4.1 WES 20 20 20 Mirror contats according to IEC/EN 609474-4.1 WES 20 20 20 AC operating voltage	Fixing				Screw / DIN rail 35mm
AWG/kcmil conductor section max 10 Auxiliary contact characteristics A 10 EC/EN 60947-5.1 designation A600 - P6 Operating current AC15 230V A 3. 4000 V A 1.9 500V A 1.9 500V A 1.4 0 500V A 1.4 Operating current DC12 110V A 5.7 48V A 2.3 Operating current DC13 24V A 5.7 48V A 2.3 Operating current DC13 24V A 5.7 48V A 2.3 110V A 1.25 A 1.1 2.20V A 0.55 Operations cycles 2000000 Safety related data 2000000 Safety related data 2000000 Safety related data cycles 2000000 Safety related data 2000000 Safety related data 2000000 Micro contats according to IEC/EN 609474-4-1 EVE min %US	Weight			g	358
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Thermal current lth A 10 IEC/EN 60947-5-1 designation A600 - P6 Operating current AC15 230V A 3 400V A 1.9 300V A 1.9 Operating current DC12 110V A 5.7 7 Operating current DC13 24V A 5.7 110V A 5.7 Operations 24V A 5.7 125V A 1.1 210V A 1.25 125V A 1.1 220V A 0.55 600V A 0.2 Operations vectoring to EN/SO 13489-1 mechanical load cycles 20000000 Stely related data vector vector vector vector 20000000 Mirror contats according to EN/SO 13489-1 mechanical load cycles 20000000 Mirror contats according to IEC/EN 609474-4-1 YES V 230 AC coll operating iEC/EN 609474-4-1 YES V 230			max		10
IEC/EN 60947-5-1 designation A600 - P6 Operating current AC15 230V A 3 400V A 1.9 500V A 1.4 Operating current DC12 110V A 5.7 48V A 2.9 60V A 2.9 60V A 2.3 110V A 1.25 125V A 1.1 220V A 0.55 600V A 0.2 Operations 600V A 0.2 2000000 A 0.2 Micro contats according to EN/ISO 13489-1 mechanical load cycles 2000000 Miror contats according to EC/EN 609474-4-1 YES YES 200 AC 0.2 AC coll operating yes AC cycles 2000000 AC 0.2 AC coll operating yes AC cycles 2000000 AC 0.2 AC coll operating yes AC yes AC cycles 200 AC 0.2 <td>-</td> <td>acteristics</td> <td></td> <td></td> <td></td>	-	acteristics			
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 24W A 5.7 48V A 2.9 60V A 1.25 125V A 1.1 220V A 0.55 600V A 0.2 Operations Cycles 20000000 Safety related data Performance level B10d according to EN/ISO 13489-1 Performance level B10d according to EN/ISO 13489-1 YES EMC compatibility yes YeS AC ologerating V 230 AC voltage at 50/60Hz V 230 AC ool perating voltage max %Us 80 of 50/60Hz coil powered at 50Hz max %Us 55 of 50/60Hz coil powered at 60Hz max %Us 55 AC av				A	
230V A 3 400V A 1.9 50V Operating current DC12 110V A 5.7 Operating current DC13 24V A 5.7 48V A 2.9 60V A 1.1 22V A 5.7 48V A 2.9 60V A 2.3 110V A 2.3 110V A 1.25 125V A 1.1 220V A 0.55 600V A 0.2 Operations					A600 - P600
400V A 1.9 S00V A 1.4 Operating current DC12 110V A 5.7 Operating current DC13 24V A 5.5 Operating current DC13 24V A 0.52 Operating current Particities 2000000 2000000 Mirror contats according to EN/ISO 13489-1 YES 2000000 Mirror contats according to IEC/EN 609474-4-1 YES 200 EMC compatibility yes <t< td=""><td>Operating current AC</td><td>15</td><td>0001</td><td></td><td>0</td></t<>	Operating current AC	15	0001		0
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110V A 5.7 Operating current DC13 24V A 5.7 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 Operations cycles 2000000 Staty related data cycles 2000000 Performance level B10d according to EN/ISO 13489-1 rechanical load cycles 2000000 Mirror contats according to IEC/EN 609474-4-1 YES 2000000 2000000 Mirror contats according to IEC/EN 609474-4-1 YES 2000000 YES AC coil operating yes XC coil operating yes AC coil operating yes XC coil operating Yes AC operating voltage of 50/60Hz coil powered at 50Hz max %Us 110 drop-out min %Us 80 max %Us 110 <		10	500V	A	1.4
Operating current DC13 24V A 5.7 48V A 2.9 60V A 2.3 110V A 1.25 125V A 0.55 000V A 0.2 0000000 A 0.2 Operations cycles 20000000 Safety related data cycles 20000000 Safety related data ecycles 20000000 Safety related data vgcles 20000000 Mirror contats according to EN/ISO 13489-1 mechanical load cycles 20000000 Mirror contats according to IEC/EN 609474-4-1 YES 20000000 YES EMC compatibility yes Yes Yes AC ool operating mechanical load cycles 20000000 AC ooperating voltage of 50/60Hz coil powered at 50Hz Yes Yes pick-up min %Us 80 max drop-out min %Us 55 S5 of 50/60Hz coil powered at 60Hz max %Us 55	Operating current DC	12	440)/	٨	F 7
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 Mechanical life cycles 2000000 Setely related data Performance level B10d according to EN/ISO 13489-1 YES EMC compatibility yes 2000000 Mirror contats according to IEC/EN 609474-4-1 YES 2000000 EMC compatibility yes YES 2000000 AC acil operating yes YES 2000000 Ac coil operating to IEC/EN 609474-4-1 YES EMC compatibility yes YES 200 AC acil operating yes YES 110 drop-out min %US 80 max %US 55 55 of 50/60Hz coil powered at 60Hz min %US 55 of 50/		10	1100	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 Operations mechanical life cycles 2000000 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 20000000 EMC coll operating yes AC coll operating yes AC coll operating voltage of 50/60Hz coil powered at 50Hz yes Yes acc operating voltage of 50/60Hz coil powered at 60Hz yes Yes acc operating voltage of 50/60Hz coil powered at 60Hz yes Yes acc operating voltage of 50/60Hz coil powered at 60Hz yes Yes acc operating voltage of 50/60Hz coil powered at 60Hz yes Yes acc operating voltage of 50/60Hz coil powered at 50Hz <td>Operating current DC</td> <td>13</td> <td>0.01/</td> <td>•</td> <td></td>	Operating current DC	13	0.01/	•	
60V A 2.3 110V A 1.25 125V A 1.1 220V A 0.55 600V A 0.2 Operations wechanical life cycles 2000000 Safety related data Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 YES EMC compatibility yes AC coil operating Rated AC voltage at 50/60Hz V 230 AC operating voltage of 50/60Hz coil powered at 50Hz pick-up min %US 80 min<%US					

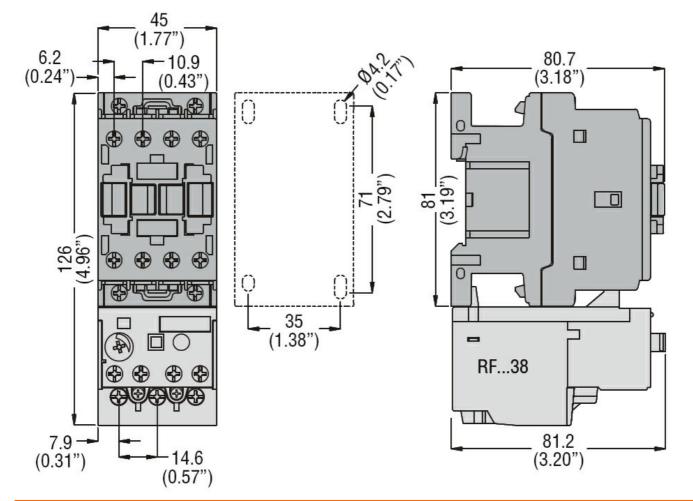
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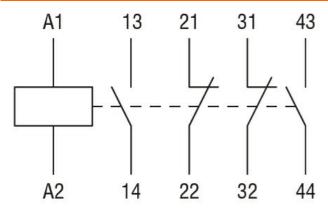
	of 60Hz coil powered a	at 60Hz			
			in-rush	VA	75
			holding	VA	9
Dissipation at holding	≤20°C 50Hz			W	2.5
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times				, ,	
Average time for Us co	ontrol				
	in AC				
		Closing NO			
			min	ms	8
			max	ms	24
		Opening NO			
			min	ms	10
			max	ms	20
		Closing NC			
			min	ms	14
			max	ms	28
		Opening NC			
			min	ms	7
			max	ms	18
UL technical data					
General USE	A 111 / /				
	Auxiliary contacts			٨	4.0
Contact rating of auvilia	any contracto according to	<u></u>	AC current	Α	10 A600 - P600
Ambient conditions	ary contacts according to) UL			A600 - P600
Temperature					
remperature	Operating temperature				
	Operating temperature	;	min	°C	-50
			max	°C	-50 70
	Storage temperature		IIIdA	C	70
	Slorage lemperature		min	°C	-60
			max	°C	80
Max altitude			IIIdA	 	3000
Resistance & Protection	on				
Pollution degree					3
Dimensions					

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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