



Product designation				Auxiliary
Product type designation				contactor BF00
Contact characteristic				DI UU
Number of poles			Nr.	4
Rated insulation voltage	ne Lli IEC/EN		V	690
Rated impulse withsta			kV	6
Operational frequency				<u> </u>
oporational nequency		min	Hz	25
		max	Hz	400
IFC Conventional free	air thermal current Ith	max	A	10
Operational current le			7	
oporational outront to		AC-1 (≤55°C)	А	0
Protection fuse		/10 / (=00 0)		•
		gG (IEC)	А	25
Tightening torque for t	terminals	90 (120)		20
		min	Nm	1.5
		max	Nm	1.8
		min	Ibin	1.1
		max	Ibin	1.5
Tightening torque for a	coil terminal	max	10111	
		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
Dower terminal protec	ation apporting to IEC/EN 60520			IP20 when
· ·	ction according to IEC/EN 60529			properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°

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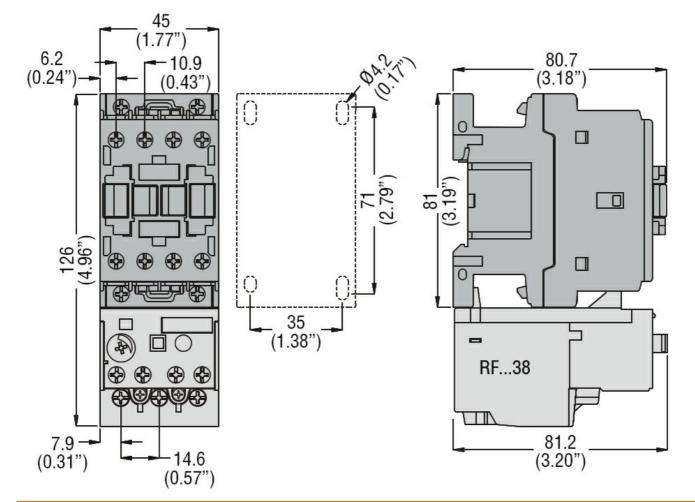
Weight Conductor section AWG/kcmil conductor section Auxiliary contact characteristics Thermal current lth IEC/EN 60947-5-1 designation Operating current AC15 Operating current DC12 Operating current DC13 Operations Mechanical life Safety related data Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility	max 230V 400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	g A A A A A A A A A A A A A A A A A A A	366 10 10 A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2
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Deperating current DC12 Deperating current DC13 Deperations Mechanical life Safety related data Performance level B10d according to EN/ISO 13489-1 mr Mirror contats according to IEC/EN 609474-4-1	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A	1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2
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Mechanical life Safety related data Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1	60V 110V 125V 220V	A A A A	2.3 1.25 1.1 0.55 0.2
Aechanical life Safety related data Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1	110V 125V 220V	A A A A	1.25 1.1 0.55 0.2
Aechanical life Safety related data Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1	125V 220V	A A A	1.1 0.55 0.2
Aechanical life Safety related data Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1	220V	A A	0.55 0.2
Aechanical life Safety related data Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1		A	0.2
Aechanical life Safety related data Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1			
Safety related data Performance level B10d according to EN/ISO 13489-1 m Mirror contats according to IEC/EN 609474-4-1		cycles	
Performance level B10d according to EN/ISO 13489-1 m /irror contats according to IEC/EN 609474-4-1			20000000
Mirror contats according to IEC/EN 609474-4-1			
Airror contats according to IEC/EN 609474-4-1			
	nechanical load	cycles	20000000
EMC compatibility			YES
			yes
AC coil operating			
Rated AC voltage at 50/60Hz		V	24
AC operating voltage			
of 50/60Hz coil powered at 50Hz			
pick-up			
	min	%Us	80
	max	%Us	110
drop-out			
	min	%Us	20
	max	%Us	55
of 50/60Hz coil powered at 60Hz			
pick-up		0/11-	00
	min	%Us	80
dran aut	max	%Us	110
drop-out	min	%Us	20
	min max	%Us %Us	20 55
AC average coil consumption at 20°C	Παλ	/005	
of 50/60Hz coil powered at 50Hz			
	in-rush	VA	75
	11-1031	VA VA	
	holding	V H	9
of 50/60Hz coil powered at 60Hz	holding	٧A	9
of 50/60Hz coil powered at 60Hz	holding in-rush	VA	9

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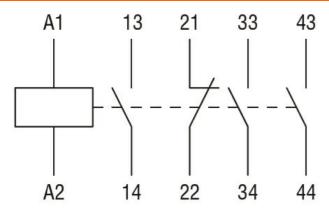


					<u>.</u>
	of 60Hz coil powered a	at 60Hz			
			in-rush	VA	75
			holding	VA	9
Dissipation at holding	≤20°C 50Hz			W	2.5
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us co	ontrol				
0	in AC				
		Closing NO			
		clocing ite	min	ms	8
			max	ms	24
		Opening NO	тах	ino	Z -T
			min	ms	10
				-	20
			max	ms	20
		Closing NC			
			min	ms	14
		o i 110	max	ms	28
		Opening NC			_
			min	ms	7
			max	ms	18
UL technical data					
General USE					
	Auxiliary contacts				
			AC current	А	10
Contact rating of auxilia	ary contacts according to	o UL			A600 - P600
Ambient conditions					
Temperature					
I	Operating temperature	2			
	operaning temperature		min	°C	-50
			max	°Č	70
	Storage temperature		тал	•	10
	Storage temperature		min	°C	-60
				°C	80
Max altitude			max		
				m	3000
Resistance & Protectic					<u>^</u>
Pollution degree					3
Dimensions					





Wiring diagrams



Certifications and compliance

Complian

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

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ETIM classification

ETIM 8.0

BF0031A024 CONTROL RELAY WITH AC COIL 50/60HZ, 24VAC, 3NO AND 1NC

> EC000196 -Contactor relay