

Product designation				Auxiliary contactor
Product type designat	tion			BF00
Contact characteristic				
Number of poles			Nr.	4
Rated insulation voltage	ge Ui IEC/EN		V	690
Rated impulse withsta	nd voltage Uimp		kV	6
Operational frequency	/			
		min	Hz	25
		max	Hz	400
IEC Conventional free	air thermal current Ith		А	10
Operational current le				
-		AC-1 (≤55°C)	А	0
Protection fuse				
		gG (IEC)	А	25
Tightening torque for t	terminals	o ()		
		min	Nm	1.5
		max	Nm	1.8
		min	Ibin	1.1
		max	Ibin	1.5
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			
	<u> </u>	min	mm²	1
		max	mm²	6
	Flexible c/w lug conductor section			
	5	min	mm²	1
		max	mm²	4
	Flexible with insulated spade lug conductor section			
		min	mm²	1
		max	mm²	4
	ation according to IEC/EN COE20			IP20 when
	ction according to IEC/EN 60529			properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°



Fixing			Screw / DIN rail 35mm
Weight		g	344
Conductor section			
AWG/kcmil conductor section			
	max		10
Auxiliary contact characteristics			
Thermal current Ith		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 600V	A	0.55 0.2
Operations	6007	A	0.2
Mechanical life		cycles	20000000
Safety related data		Cycles	20000000
	mechanical load	cycles	2000000
Performance level B10d according to EN/ISO 13489-1	mechanical load	cycles	20000000 YES
Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1	mechanical load	cycles	YES
Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility	mechanical load	cycles	
Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating	mechanical load		YES yes
Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 60Hz	mechanical load	cycles V	YES
Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage	mechanical load		YES yes
Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz	mechanical load		YES yes
Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage		V	YES yes
Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz	mechanical load		YES yes 575
Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up	min	V %Us	YES yes 575 80
Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz	min	V %Us	YES yes 575 80
Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up	min max	V %Us %Us	YES yes 575 80 110
Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out	min max min	V %Us %Us %Us	YES yes 575 80 110 20
Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out	min max min	V %Us %Us %Us	YES yes 575 80 110 20
Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C	min max min max in-rush	V %Us %Us %Us	YES yes 575 80 110 20
Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz	min max min max	V %Us %Us %Us %Us VA VA	YES yes 575 80 110 20 55 75 9
Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz	min max min max in-rush	V %Us %Us %Us %Us VA	YES yes 575 80 110 20 55 75
Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz Max cycles frequency	min max min max in-rush	V %Us %Us %Us %Us %Us VA VA VA W	YES yes 575 80 110 20 55 75 9 2.5
Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz Max cycles frequency Mechanical operation	min max min max in-rush	V %Us %Us %Us %Us VA VA	YES yes 575 80 110 20 55 75 9 2.5
Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz Max cycles frequency Mechanical operation	min max min max in-rush	V %Us %Us %Us %Us %Us VA VA VA W	YES yes 575 80 110 20 55 75 9 2.5
Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz Max cycles frequency Mechanical operation Operating times	min max min max in-rush	V %Us %Us %Us %Us %Us VA VA VA W	YES yes 575 80 110 20 55 75 9 2.5
Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz Max cycles frequency Mechanical operation Operating times Average time for Us control in AC	min max min max in-rush	V %Us %Us %Us %Us %Us VA VA VA W	YES yes 575 80 110 20 55 75 9 2.5
Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz Max cycles frequency Mechanical operation Operating times Average time for Us control	min max min max in-rush	V %Us %Us %Us %Us %Us VA VA VA W	YES yes 575 80 110 20 55 75 9 2.5
Performance level B10d according to EN/ISO 13489-1 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz Max cycles frequency Mechanical operation Operating times Average time for Us control in AC	min max min max in-rush	V %Us %Us %Us %Us %Us VA VA VA W	YES yes 575 80 110 20 55 75 9 2.5



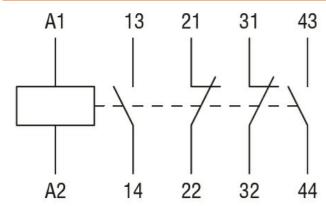
CONTROL RELAY WITH AC COIL 60HZ, 575VAC, 2NO AND 2NC

		Opening NO Closing NC Opening NC	min max min max min max	ms ms ms ms ms	10 20 14 28 7 18
UL technical data					
General USE	Auxiliary contacts		AC current	A	10
Contact rating of auxili	ary contacts according to	o UL			A600 - P600
Ambient conditions					
Temperature	Operating temperature)	min max	°C °C	-50 70
	Storage temperature		min	°C	-60
			max	°C	80
Max altitude	20			m	3000
Resistance & Protection	n				3
Pollution degree Dimensions					3
6.2 (0.24") 97 (1.96%)		04.2th ((3. (3. (61.C) (61.C	0.7 18") 	

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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		
		EC000196 -

ETIM 8.0

EC000196 Contactor relay