

Product designation				Auxiliary contactor
Product type designat				BF00
Contact characteristic	S			
Number of poles			Nr.	4
Rated insulation voltage			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)	Α	0
Protection fuse				
		gG (IEC)	А	25
Tightening torque for t	erminals			
		min	Nm	1.5
		max	Nm	1.8
		min	lbin	1.1
		max	lbin	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			<u>.</u>
		min	mm²	1
		max	mm²	4
		max		IP20 when
Power terminal protection according to IEC/EN 60529				properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°



Fixing			Screw / DIN rail 35mm
Weight		g	352
Conductor section			
AWG/kcmil conductor section			
	max		10
Auxiliary contact characteristics			
Thermal current Ith		A	10
EC/EN 60947-5-1 designation			A600 - P600
Operating current AC15	0001		•
	230V	A	3
	400V	A	1.9
On eventing a surrent DC12	500V	A	1.4
Operating current DC12	1101/	٨	F 7
Departies surrent DC12	110V	A	5.7
Operating current DC13	0.01/	٨	F 7
	24V 48V	A	5.7
	48V 60V	A	2.9 2.3
	110V	A A	2.3 1.25
	110V 125V	A	1.25
	220V	A	0.55
	600V	A	0.2
Dperations	0001	Λ	0.2
Mechanical life		cycles	20000000
Safety related data		0,0100	20000000
Performance level B10d according to EN/ISO 13489-1			
	mechanical load	cycles	20000000
Mirror contats according to IEC/EN 609474-4-1			YES
EMC compatibility			YES yes
EMC compatibility AC coil operating		V	
EMC compatibility AC coil operating Rated AC voltage at 60Hz		•	yes
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage		•	yes
EMC compatibility AC coil operating Rated AC voltage at 60Hz		•	yes
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz	min	•	yes
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz		V	yes 230
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz	min	V %Us	yes 230 80
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up	min	V %Us %Us %Us	yes 230 80 110 20
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	V %Us %Us	yes 230 80 110
pick-up drop-out AC average coil consumption at 20°C	min max min	V %Us %Us %Us	yes 230 80 110 20
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 max	V %Us %Us %Us %Us	yes 230 80 110 20 55
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 max in-rush	V %Us %Us %Us %Us VA	yes 230 80 110 20 55 75
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 230 80 110 20 55 75 9
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	min max min max in-rush	V %Us %Us %Us %Us VA	yes 230 80 110 20 55 75
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 230 80 110 20 55 75 9 2.5
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 230 80 110 20 55 75 9 2.5
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 Dperating times	min max min max in-rush	V %Us %Us %Us %Us %Us VA VA VA W	yes 230 80 110 20 55 75 9 2.5
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 Dperating times Average time for Us control	min max min max in-rush	V %Us %Us %Us %Us %Us VA VA VA W	yes 230 80 110 20 55 75 9 2.5
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 Dperating 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 230 80 110 20 55 75 9 2.5
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 Dperating times Average time for Us control	min max min max in-rush holding	V %Us %Us %Us %Us %Us VA VA VA W cycles/h	yes 230 80 110 20 55 75 9 2.5 3600
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 Dperating 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 230 80 110 20 55 75 9 2.5



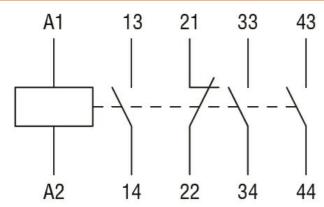
CONTROL RELAY WITH AC COIL 60HZ, 230VAC, 3NO AND 1NC

UL technical data		Opening NO Closing NC Opening NC	min max min max min max	ms ms ms ms ms	10 20 14 28 7 18
General USE	Auxiliary contacts		AC current	A	10
Contact rating of auxili Ambient conditions Temperature	ary contacts according to	o UL			A600 - P600
	Operating temperature	9	min max	°C ℃	-50 70
	Storage temperature		min max	°C °C	-60 80
Max altitude Resistance & Protection Pollution degree Dimensions	on			m	3000 3
6.2 (0.24")		0.1 () () () () () () () () () () () () ()	(3. (3. (61.0) (61.0) (61.0) (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

ETIM 8.0

EC000196 -Contactor relay