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1	

Product designation		Auxiliary contactor
Product type designation		BF00
Contact characteristics		
Number of poles	Nr.	4
Rated insulation voltage Ui IEC/EN	V	690
Rated impulse withstand 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
Short-time allowable current for 10s (IEC/EN60947-1)	А	0
Protection fuse		
gG (IEC)	А	25
Tightening torque for terminals		
min	Nm	1.5
max	Nm	1.8
min	Ibin	1.1
max	lbin	1.5
Tightening torque for coil terminal		
min	Nm	0.8
max	Nm	1
min	lbin	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 protection according to IEC/EN 60529		IP20 when wired
Mechanical features		
Operating position		
normal		Vertical plan
allowable		±30°



Fixing			Screw / DIN rai
-		~	35mm 352
Veight Conductor section		g	352
AWG/kcmil conductor section			
	max		10
Auxiliary contact characteristics	Шах		10
Thermal current Ith		А	10
EC/EN 60947-5-1 designation		7.	A600 - P600
Derating current AC15			A000 1 000
speraling current Ao to	230V	А	3
	400V	A	1.9
	400V 500V	A	1.4
Operating current DC12	5007	Α	1.7
	110V	А	5.7
Operating current DC13	1100	Λ	5.7
	24V	А	5.7
	24V 48V	A	2.9
	48V 60V	A	2.3
	110V	A	1.25
	125V	A	1.1
	220V	A	0.55
	600V	A	0.33
Dperations	000 v	~	0.2
Aechanical life		cycles	20000000
Safety related data		Cycles	20000000
Performance level B10d according to EN/ISO 13489-1			
enormance level blod according to Enviso 15403-1	mechanical load	cycles	20000000
Mirror contats according to IEC/EN 609474-4-1	mechanical load	Cycles	YES
EMC compatibility AC coil operating			yes
		V	460
Rated AC voltage at 60Hz			
		v	400
		v	400
of 60Hz coil powered at 60Hz		v	400
of 60Hz coil powered at 60Hz	min	%Us	80
of 60Hz coil powered at 60Hz pick-up	min max		
of 60Hz coil powered at 60Hz	max	%Us %Us	80 110
of 60Hz coil powered at 60Hz pick-up	max	%Us %Us %Us	80 110 20
of 60Hz coil powered at 60Hz pick-up drop-out	max	%Us %Us	80 110
pick-up drop-out AC average coil consumption at 20°C	max	%Us %Us %Us	80 110 20
of 60Hz coil powered at 60Hz pick-up drop-out	max min max	%Us %Us %Us %Us	80 110 20 55
of 60Hz coil powered at 60Hz pick-up drop-out	max min max in-rush	%Us %Us %Us %Us VA	80 110 20 55 75
of 60Hz coil powered at 60Hz pick-up drop-out AC average coil consumption at 20°C of 60Hz coil powered at 60Hz	max min max	%Us %Us %Us %Us VA VA	80 110 20 55 75 9
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 min max in-rush	%Us %Us %Us %Us VA	80 110 20 55 75
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	max min max in-rush	%Us %Us %Us %Us VA VA VA	80 110 20 55 75 9 2.5
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	max min max in-rush	%Us %Us %Us %Us VA VA	80 110 20 55 75 9 2.5
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	max min max in-rush	%Us %Us %Us %Us VA VA VA	80 110 20 55 75 9 2.5
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	max min max in-rush	%Us %Us %Us %Us VA VA VA	80 110 20 55 75 9 2.5
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 Deperating times Average time for Us control in AC	max min max in-rush	%Us %Us %Us %Us VA VA VA	80 110 20 55 75 9 2.5
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	max min max in-rush holding	%Us %Us %Us %Us VA VA VA W cycles/h	80 110 20 55 75 9 2.5 3600
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 Deperating times Average time for Us control in AC	max min max in-rush	%Us %Us %Us %Us VA VA VA	80 110 20 55 75 9 2.5

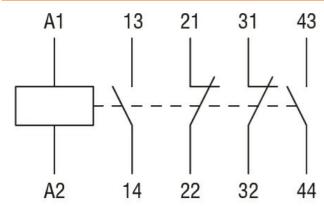


CONTROL RELAY WITH AC COIL 60HZ, 460VAC, 2NO AND 2NC

UL technical data General USE		Opening NO Closing NC Opening NC	min max min max min max	ms ms ms ms ms	10 20 14 28 7 18
	Auxiliary contacts		AC current	А	10
Contact rating of auxilia	ary contacts according to	o UL		7.	A600 - P600
Ambient conditions Temperature	Operating temperature		min max	°C °C	-50 70
	g		min	°C	-60
			max	°C	80
Max altitude Resistance & Protectio Pollution degree Dimensions				m	3000 3
		04.7tr 04.7tr 14 (62.2) 35 	(3 (3 (6) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	80.7 .18") -	



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		
	000	
	cULus	
	EAC	
ETIM classification		
		EC000196 -

ETIM 8.0

EC000196 Contactor relay