



Product designation				Auxiliary
Product type designat	ion			contactor BF00
Contact characteristic				21 00
Number of poles			Nr.	4
Rated insulation voltage	ge 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
Protection fuse				
		gG (IEC)	Α	25
Tightening torque for t	terminals	9 ()		
		min	Nm	1.5
		max	Nm	1.8
		min	lbin	1.1
		max	lbin	1.5
Tightening torque for o	coil terminal			
0 0 1		min	Nm	0.8
		max	Nm	1
		min	lbin	0.8
		max	lbin	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	etion according to IEC/EN 60529			IP20 when
	Mon according to 12-6/211 00020			properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight			g	500



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Conductor section					
	AWG/kcmil condu	ictor section			
A 10			max		10
Auxiliary contact chara	cteristics			^	4.0
Thermal current Ith	oignation .			Α	10
IEC/EN 60947-5-1 des Operating current AC1	_				A600 - P600
Operating current ACT	5		230V	Α	3
			400V	A	1.9
			500V	A	1.4
Operating current DC1	2			- , ,	
operaning carroin a co			110V	Α	5.7
Operating current DC1	3				
			24V	Α	5.7
			48V	Α	2.9
			60V	Α	2.3
			110V	Α	1.25
			125V	Α	1.1
			220V	Α	0.55
			600V	Α	0.2
Operations					
Mechanical life				cycles	20000000
Safety related data		WOO 40400 4			
Performance level B10	Od according to EN/	ISO 13489-1			
N.4"	. IEO/EN 000 47		mechanical load	cycles	20000000
Mirror contats according	ng to IEC/EN 60947	4-4-1			YES
EMC compatibility					
DC soil operating					yes
DC coil operating	20			V	
DC rated control voltage	ge			V	24
	-			V	
DC rated control voltage	ge pick-up		min		24
DC rated control voltage	-		min max	%Us	24
DC rated control voltage	pick-up		min max		24
DC rated control voltage	-			%Us	24
DC rated control voltage	pick-up		max	%Us %Us	24 80 110
DC rated control voltage	pick-up drop-out		max min	%Us %Us %Us	24 80 110
DC rated control voltage DC operating voltage	pick-up drop-out		max min	%Us %Us %Us	24 80 110
DC rated control voltage DC operating voltage	pick-up drop-out		max min max	%Us %Us %Us %Us	24 80 110 10 40
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us W W	24 80 110 10 40 2.4 2.4
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation	pick-up drop-out		max min max in-rush	%Us %Us %Us %Us %Us	24 80 110 10 40 2.4 2.4
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C		max min max in-rush	%Us %Us %Us %Us W W	24 80 110 10 40 2.4 2.4
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DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Closing NO	max min max in-rush holding	%Us %Us %Us %Us W W	24 80 110 10 40 2.4 2.4 3600
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Closing NO	max min max in-rush holding	%Us %Us %Us %Us W W	24 80 110 10 40 2.4 2.4 3600
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DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Closing NO Opening NO	max min max in-rush holding min max	%Us %Us %Us %Us W W cycles/h	24 80 110 10 40 2.4 2.4 3600
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DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation Operating times	pick-up drop-out tion ≤20°C	Opening NO	max min max in-rush holding min max min	%Us %Us %Us %Us W W cycles/h	24 80 110 10 40 2.4 2.4 3600 75 91 15

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Resistance & Protection

Pollution degree

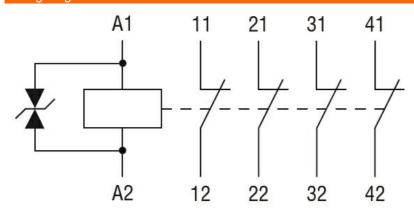
Dimensions

Opening NC

	min	ms	67
	max	ms	81
UL technical data			
General USE			
Auxiliary contacts			
	AC current	Α	10
Contact rating of auxiliary contacts according to UL			A600 - P600
Ambient conditions			
Temperature			
Operating temperature			
	min	°C	-50
	max	°C	70
Storage temperature			_
	min	°C	-60
	max	°C	80
Max altitude		m	3000

6.2 (0.24") 98.5 (3.88") 98.5 (1.38")

Wiring diagrams



Contactor relay



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Certifications and co	ompliance	
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 -
ETTIVI O.U		Contactor roles

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding