



Product designation				Auxiliary
Product type designat	ion			contactor BF00
Contact characteristics				БГОО
Number of poles			Nr.	4
Rated insulation voltage	ne Ui IFC/FN		V	690
Rated impulse withsta			kV	6
Operational frequency				
operanona nequenty		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	erminals	3 - (- /		
3 3 1		min	Nm	1.5
		max	Nm	1.8
		min	lbin	1.1
		max	lbin	1.5
Tightening torque for o	coil terminal			
		min	Nm	0.8
		max	Nm	1
		min	lbin	0.8
		max	lbin	0.74
Max number of wires s	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
<u> </u>				properly wired
Mechanical features				
Operating position		n c1		Vertical slas
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight			g	360



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Conductor section				
	AWG/kcmil conductor section			
A. a. Wang, and a start all and	at a state a	max		10
Auxiliary contact chara	cteristics		^	10
Thermal current Ith	vianation		Α	10 A600 B600
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	0001	,,	
operating amount of	_	110V	Α	5.7
Operating current DC1	3	- -		
1 0		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	N			
Performance level B10	od according to EN/ISO 13489-1			0000000
N.C	IEO/EN 000 474 4 4	mechanical load	cycles	20000000
-	ng to IEC/EN 609474-4-1			YES
EMC compatibility				yes
AC coil operating				
AC coil operating Rated AC voltage at 50	0/60Hz		V	
Rated AC voltage at 50	D/60Hz		V	48
			V	
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz		V	
Rated AC voltage at 50		min	V %Us	
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz	min max	%Us	48
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz			80
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up		%Us	80
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up drop-out	max	%Us %Us	48 80 110
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	max min	%Us %Us %Us	48 80 110 20
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up drop-out	max min max	%Us %Us %Us %Us	48 80 110 20 55
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	max min max min	%Us %Us %Us %Us	48 80 110 20 55
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	max min max	%Us %Us %Us %Us	48 80 110 20 55
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	max min max min max	%Us %Us %Us %Us %Us	80 110 20 55 80 110
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up	max min max min max min max min	%Us %Us %Us %Us %Us	80 110 20 55 80 110
Rated AC voltage at 50 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min max	%Us %Us %Us %Us %Us	80 110 20 55 80 110
Rated AC voltage at 50	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min max min max min	%Us %Us %Us %Us %Us	80 110 20 55 80 110
Rated AC voltage at 50 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	80 110 20 55 80 110 20 55
Rated AC voltage at 50 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min max min max in-rush	%Us %Us %Us %Us %Us %Us %Us	80 110 20 55 80 110 20 55
Rated AC voltage at 50 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out mption at 20°C of 50/60Hz coil powered at 50Hz	max min max min max min max	%Us %Us %Us %Us %Us %Us %Us	80 110 20 55 80 110 20 55
Rated AC voltage at 50 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	max min max min max min max in-rush	%Us %Us %Us %Us %Us %Us %Us	80 110 20 55 80 110 20 55
Rated AC voltage at 50 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out mption at 20°C of 50/60Hz coil powered at 50Hz	max min max min max min max in-rush holding	%Us %Us %Us %Us %Us %Us %Us	48 80 110 20 55 80 110 20 55 75 9
Rated AC voltage at 50 AC operating voltage	of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out mption at 20°C of 50/60Hz coil powered at 50Hz	max min max min max min max in-rush holding in-rush	%Us %Us %Us %Us %Us %Us %Us VA VA	48 80 110 20 55 80 110 20 55 75 9

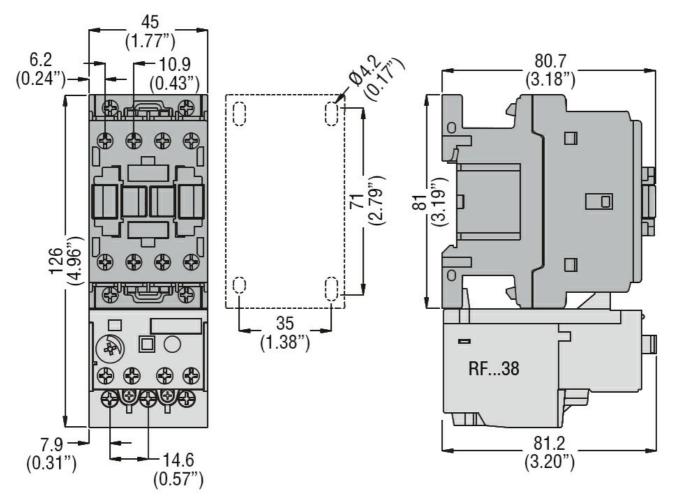


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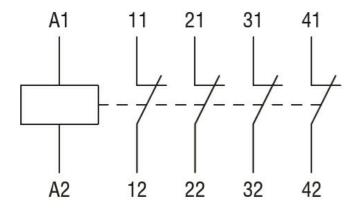
Max cycles frequency Cycles/h 3600 Operating times Average time for Us control in AC min ms 8 max ms 24 Closing NO min ms 8 max ms 24 Opening NO min ms 10 max ms 20 Closing NC min ms 9 max ms 25 Opening NC min ms 9 max ms 15 UL technical data General USE Auxiliary contacts AC current A 10 10 Contact rating of auxiliary contacts according to UL A600 - P600 Ambient conditions Temperature min °C -50 max °C 70 Storage temperature min °C -60 max °C 80 Storage temperature min °C -60 max °C 80 60 Resistance & Protection Pollution degree		holding	VA	9
Mechanical operation cycles/h 3600 Operating times Average time for Us control min ms 8 Closing NO min ms 24 Opening NO min ms 10 Max ms 20 Closing NC min ms 9 max ms 25 Opening NC min ms 9 UL technical data Technical data General USE Auxiliary contacts AC current A 10 Contact rating of auxiliary contacts according to UL A 600 - P600 Ambient conditions Temperature min °C -50 Max and the proper time for the properties of the			W	2.5
Average time for Us control in AC				
Average time for Us control in AC Closing NO min ms 8 max ms 24 Opening NO min ms 10 max ms 20 Closing NC min ms 9 max ms 25 Opening NC min ms 9 max ms 25 Opening NC min ms 9 max ms 15 UL technical data General USE Auxiliary contacts AC current A 10 Contact rating of auxiliary contacts according to UL Anbient conditions Temperature Operating temperature Operating temperature Max altitude Max altitude Max altitude Resistance & Protection	·	(cycles/h	3600
Closing NO				
Closing NO min ms 8 max ms 24 max ms 26 max ms 20 max ms 20 max ms 20 max ms 25 max				
Min ms 8 max ms 24				
Max	Closing NO			
Opening NO				
Min Min		max	ms	24
Closing NC	Opening NO			
Closing NC				
Min max ms 9 max ms 25		max	ms	20
Max	Closing NC			•
Opening NC min max ms 9 max UL technical data General USE Auxiliary contacts AC current A 10 Contact rating of auxiliary contacts according to UL A 600 - P600 Ambient conditions Temperature Min °C -50 max °C -50 max °C 70 Storage temperature min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection Pollution degree 3				
min ms 9 max ms 15 UL technical data Auxiliary contacts AC current A 10 Contact rating of auxiliary contacts according to UL A600 - P600 Ambient conditions Temperature min °C -50 max °C 70 Storage temperature min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection Pollution degree 3	On anima NO	max	ms	25
Max ms 15 UL technical data General USE Auxiliary contacts AC current A 10 Contact rating of auxiliary contacts according to UL A600 - P600 Ambient conditions Temperature Min °C -50 max °C 70 Storage temperature min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection Pollution degree 3	Opening NC			0
Auxiliary contacts				
Auxiliary contacts	III. technical data	max	ms	15
Auxiliary contacts 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 Resistance & Protection Pollution degree				
AC current				
Contact rating of auxiliary contacts according to UL A600 - P600 Ambient conditions Temperature Min °C -50 max °C 70 Storage temperature min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection 90llution degree 3	Auxiliary contacts	AC current	۸	10
Ambient conditions Temperature	Contact rating of auxiliary contacts according to LII	AC current	^	
Operating temperature				A000 - F 000
Operating temperature min °C -50 max °C 70 Storage temperature min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection 3 Pollution degree 3				
min max °C -50 max Storage temperature min °C -60 max min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection 3				
Max °C 70 Storage temperature min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection 3 Pollution degree 3	Operating temperature	min	°C	-50
Storage temperature min or company °C or -60 or				
min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection Pollution degree 3	Storage temperature	max		10
Max altitudemax°C80Resistance & Protectionm3000Pollution degree3	Otorage temperature	min	°C.	-60
Max altitude m 3000 Resistance & Protection Pollution degree 3				
Resistance & Protection Pollution degree 3	Max altitude	max		
Pollution degree 3				
· ·				3
	Dimensions			







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