



1 roduct designation contactor Product type designation BF00 Contact characteristics Nr. Number of poles Nr. Number of poles Nr. Rated insulation voltage UIEC/EN V Genome max Rated insulation voltage UIEC/EN V Operational frequency min Protection fuse gG (IEC) Protection fuse gG (IEC) Tightening torque for terminals min min Nm 1.5 max max Ibin 1.5 max max Nm 1.6 Nr 1.7 max Tightening torque for coil terminal min min Nm Number of wires simultaneously connectable Nr. Conductor section nin Flexible w/o lug conductor section min Flexible w/o lug conductor section min min min min Flexible with insulated spade lug conductor section min min min m	Product designation				Auxiliary
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min lbin 0.8 Max number of wires simultaneously connectable Nr. 2 Conductor section AWG/Kcmil response of wires simultaneously conductor section AWG/Kcmil max 10 Flexible w/o lug conductor section min mm² Flexible c/w lug conductor section min mm² 1 Power terminal protection according to IEC/EN 60529 IP20 when properly wired IP20 when properly wired Mechanical features o screw / DIN rail allowable ±30°					
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max mm² 4 Power terminal protection according to IEC/EN 60529 IP20 when properly wired Mechanical features Vertical plan Operating position vertical plan allowable ±30° Fixing Screw / DIN rail 35mm		Flexible with insulated spade lug conductor section			
Power terminal protection according to IEC/EN 60529 IP20 when properly wired Mechanical features Operating position Operating position normal allowable Vertical plan ±30° Fixing Screw / DIN rail 35mm			min	mm²	1
Power terminal protection according to IEC/EN 60529 properly wired Mechanical features Operating position Normal Vertical plan allowable ±30° Fixing Screw / DIN rail 35mm			max	mm²	4
Mechanical features Property wired Operating position normal Vertical plan allowable ±30° Screw / DIN rail S5mm 35mm	Power terminal protec	tion according to IEC/EN 60529			
Operating position normal vertical plan allowable ±30° \$30° Fixing Screw / DIN rail 35mm					properly wired
normal Vertical plan allowable ±30° Fixing Screw / DIN rail 35mm 35mm					
allowable ±30° Fixing Screw / DIN rail 35mm	Operating position				
Fixing Screw / DIN rail 35mm					
Fixing 35mm			allowable		
	Fixing				
vveignt g 360	_			_	
	vveignt			g	300



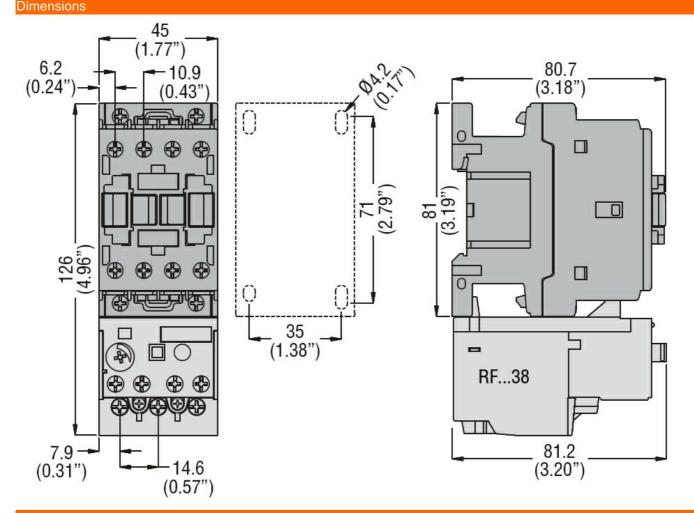
Conductor section

AWG/kcmil conductor section

		max		10
Auxiliary contact chara	cteristics			
Thermal current Ith			А	10
IEC/EN 60947-5-1 des	signation			A600 - P600
Operating current AC1	5			
		230V	А	3
		400V	А	1.9
		500V	А	1.4
Operating current DC1	2			
		110V	А	5.7
Operating current DC1	3			
		24V	А	5.7
		48V	А	2.9
		60V	А	2.3
		110V	А	1.25
		125V	А	1.1
		220V	A	0.55
		600V	A	0.2
Operations				00000000
Mechanical life			cycles	20000000
Safety related data				
Performance level B10	0d according to EN/ISO 13489-1			
		mechanical load	cycles	2000000
	ng to IEC/EN 609474-4-1			YES
EMC compatibility				yes
AC coil operating				40
Rated AC voltage at 60	OHz		V	48
			V	48
Rated AC voltage at 60	of 60Hz coil powered at 60Hz		V	48
Rated AC voltage at 60				
Rated AC voltage at 60	of 60Hz coil powered at 60Hz	min	%Us	80
Rated AC voltage at 60	of 60Hz coil powered at 60Hz pick-up	min max		
Rated AC voltage at 60	of 60Hz coil powered at 60Hz	max	%Us %Us	80 110
Rated AC voltage at 60	of 60Hz coil powered at 60Hz pick-up	max min	%Us %Us %Us	80 110 20
Rated AC voltage at 60 AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out	max	%Us %Us	80 110
Rated AC voltage at 60	of 60Hz coil powered at 60Hz pick-up drop-out Imption at 20°C	max min	%Us %Us %Us	80 110 20
Rated AC voltage at 60 AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out	max min max	%Us %Us %Us %Us	80 110 20 55
Rated AC voltage at 60 AC operating voltage	of 60Hz coil powered at 60Hz pick-up drop-out Imption at 20°C	max min max in-rush	%Us %Us %Us %Us	80 110 20 55 75
Rated AC voltage at 60 AC operating voltage AC average coil consul	of 60Hz coil powered at 60Hz pick-up drop-out mption at 20°C of 60Hz coil powered at 60Hz	max min max	%Us %Us %Us %Us VA VA	80 110 20 55 75 9
Rated AC voltage at 60 AC operating voltage AC average coil consu	of 60Hz coil powered at 60Hz pick-up drop-out mption at 20°C of 60Hz coil powered at 60Hz	max min max in-rush	%Us %Us %Us %Us	80 110 20 55 75
Rated AC voltage at 60 AC operating voltage AC average coil consu Dissipation at holding : Max cycles frequency	of 60Hz coil powered at 60Hz pick-up drop-out mption at 20°C of 60Hz coil powered at 60Hz	max min max in-rush	%Us %Us %Us %Us VA VA VA W	80 110 20 55 75 9 2.5
Rated AC voltage at 60 AC operating voltage AC average coil consu Dissipation at holding : Max cycles frequency Mechanical operation	of 60Hz coil powered at 60Hz pick-up drop-out mption at 20°C of 60Hz coil powered at 60Hz	max min max in-rush	%Us %Us %Us %Us VA VA	80 110 20 55 75 9 2.5
Rated AC voltage at 60 AC operating voltage AC average coil consu Dissipation at holding at holding at cycles frequency Max cycles frequency Mechanical operation Operating times	of 60Hz coil powered at 60Hz pick-up drop-out mption at 20°C of 60Hz coil powered at 60Hz ≤20°C 50Hz	max min max in-rush	%Us %Us %Us %Us VA VA VA W	80 110 20 55 75 9 2.5
Rated AC voltage at 60 AC operating voltage AC average coil consu Dissipation at holding : Max cycles frequency Mechanical operation	of 60Hz coil powered at 60Hz pick-up drop-out mption at 20°C of 60Hz coil powered at 60Hz ≤20°C 50Hz	max min max in-rush	%Us %Us %Us %Us VA VA VA W	80 110 20 55 75 9 2.5
Rated AC voltage at 60 AC operating voltage AC average coil consu Dissipation at holding at holding at cycles frequency Max cycles frequency Mechanical operation Operating times	of 60Hz coil powered at 60Hz pick-up drop-out mption at 20°C of 60Hz coil powered at 60Hz ≤20°C 50Hz ontrol in AC	max min max in-rush	%Us %Us %Us %Us VA VA VA W	80 110 20 55 75 9 2.5
Rated AC voltage at 60 AC operating voltage AC average coil consu Dissipation at holding at holding at cycles frequency Max cycles frequency Mechanical operation Operating times	of 60Hz coil powered at 60Hz pick-up drop-out mption at 20°C of 60Hz coil powered at 60Hz ≤20°C 50Hz	max min max in-rush	%Us %Us %Us %Us VA VA VA VA vA	80 110 20 55 75 9 2.5 3600
Rated AC voltage at 60 AC operating voltage AC average coil consu Dissipation at holding at holding at cycles frequency Max cycles frequency Mechanical operation Operating times	of 60Hz coil powered at 60Hz pick-up drop-out mption at 20°C of 60Hz coil powered at 60Hz ≤20°C 50Hz ontrol in AC	max min max in-rush holding	%Us %Us %Us %Us VA VA VA W	80 110 20 55 75 9 2.5
Rated AC voltage at 60 AC operating voltage AC average coil consu Dissipation at holding at holding at cycles frequency Max cycles frequency Mechanical operation Operating times	of 60Hz coil powered at 60Hz pick-up drop-out mption at 20°C of 60Hz coil powered at 60Hz ≤20°C 50Hz ontrol in AC	max min max in-rush holding min	%Us %Us %Us %Us VA VA VA VA vA w va ms	80 110 20 55 75 9 2.5 3600 8
Rated AC voltage at 60 AC operating voltage AC average coil consu Dissipation at holding at holding at cycles frequency Max cycles frequency Mechanical operation Operating times	of 60Hz coil powered at 60Hz pick-up drop-out mption at 20°C of 60Hz coil powered at 60Hz ≤20°C 50Hz sontrol in AC Closing NO	max min max in-rush holding min	%Us %Us %Us %Us VA VA VA VA vA w va ms	80 110 20 55 75 9 2.5 3600 8
Rated AC voltage at 60 AC operating voltage AC average coil consu Dissipation at holding at holding at cycles frequency Max cycles frequency Mechanical operation Operating times	of 60Hz coil powered at 60Hz pick-up drop-out mption at 20°C of 60Hz coil powered at 60Hz ≤20°C 50Hz sontrol in AC Closing NO	max min max in-rush holding min max	%Us %Us %Us %Us VA VA VA vA w cycles/h	80 110 20 55 75 9 2.5 3600 8 24

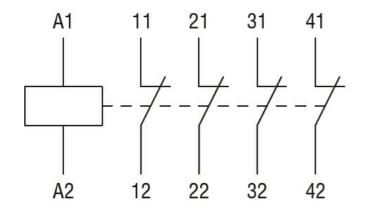


	Closing NC			
	C C	min	ms	9
		max	ms	25
	Opening NC			
		min	ms	9
		max	ms	15
UL technical data				
General USE				
	Auxiliary contacts			
		AC current	Α	10
	iliary contacts according to UL			A600 - P600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Protec	tion			
Pollution degree				3
Dimonsions				



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		
ETIM 8.0		EC000196 -