



Product designation				Auxiliary
_				contactor
Product type designa				BF00
Contact characteristic	os de la companya de			
Number of poles			Nr.	4
Rated insulation volta			V	690
Rated impulse withsta	·		kV	6
Operational frequency	у			
		min	Hz	25
		max	Hz	400
EC Conventional free	e air thermal current Ith		Α	10
Operational current le				
		AC-1 (≤55°C)	Α	0
Protection fuse				
		gG (IEC)	Α	25
Tightening torque for	terminals			
		min	Nm	1.5
		max	Nm	1.8
		min	lbin	1.1
		max	lbin	1.5
Tightening torque for	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			
	2 2.2 2 129 222	min	mm²	1
		max	mm²	4
	Flexible with insulated spade lug conductor section			
		min	mm²	1
		max	mm²	4
				IP20 when
Power terminal protection according to IEC/EN 60529			properly wired	
Mechanical features				, , ,
Operating position				
. 01		normal		Vertical plan
		allowable		±30°
		_		



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Fixing			Screw / DIN rail 35mm
Weight		g	352
Conductor section			
AWG/kcmil conductor section			
	max		10
Auxiliary contact characteristics			
Thermal current Ith		Α	10
IEC/EN 60947-5-1 designation			A600 - P600
Operating current AC15			
	230V	Α	3
	400V	Α	1.9
	500V	Α	1.4
Operating current DC12			
2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	110V	Α	5.7
Operating current DC13			
oporating surrout 2010	24V	Α	5.7
	48V	A	2.9
	60V	A	2.3
	110V	A	1.25
	125V	A	1.1
	220V	A	0.55
	600V	A	0.2
Operations	000 V		0.2
Mechanical life		cycloc	20000000
Safety related data		cycles	20000000
Performance level B10d according to EN/ISO 13489-1			
Total marioe level broad according to Envice 10400 1	machanical land	ovoloo	2000000
	mechanical load	cycles	20000000
Mirror contats according to IEC/EN 609474-4-1	mechanical load	cycles	YES
Mirror contats according to IEC/EN 609474-4-1 EMC compatibility	mechanical load	cycles	
Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating	mechanical load		YES yes
Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 60Hz	mechanical load	cycles	YES
Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage	mechanical load		YES yes
Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz	mechanical load		YES yes
Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage		V	YES yes 575
Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz	mechanical load	V %Us	YES yes 575
Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up		V	YES yes 575
Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz	min max	V %Us %Us	YES yes 575 80 110
Mirror contats according to IEC/EN 609474-4-1 EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up	min max min	V %Us %Us %Us	YES yes 575 80 110 20
Mirror contats according to IEC/EN 609474-4-1 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 yes 575 80 110
Mirror contats according to IEC/EN 609474-4-1 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	min max min	V %Us %Us %Us	YES yes 575 80 110 20
Mirror contats according to IEC/EN 609474-4-1 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 yes 575 80 110 20 55
Mirror contats according to IEC/EN 609474-4-1 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	min max min max in-rush	V %Us %Us %Us %Us	YES yes 575 80 110 20 55
Mirror contats according to IEC/EN 609474-4-1 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 yes 575 80 110 20 55
Mirror contats according to IEC/EN 609474-4-1 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	min max min max in-rush	V %Us %Us %Us %Us	YES yes 575 80 110 20 55
Mirror contats according to IEC/EN 609474-4-1 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 in-rush	V %Us %Us %Us %Us VA VA	YES yes 575 80 110 20 55
Mirror contats according to IEC/EN 609474-4-1 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 in-rush	V %Us %Us %Us %Us VA VA	YES yes 575 80 110 20 55 75 9
Mirror contats according to IEC/EN 609474-4-1 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	YES yes 575 80 110 20 55 75 9
Mirror contats according to IEC/EN 609474-4-1 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 Operating times	min max min max in-rush	V %Us %Us %Us %Us	YES yes 575 80 110 20 55 75 9
Mirror contats according to IEC/EN 609474-4-1 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 yes 575 80 110 20 55 75 9
Mirror contats according to IEC/EN 609474-4-1 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 Operating times Average time for Us control in AC	min max min max in-rush	V %Us %Us %Us %Us VA VA	YES yes 575 80 110 20 55 75 9
Mirror contats according to IEC/EN 609474-4-1 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 Operating times Average time for Us control	min max min max in-rush	V %Us %Us %Us %Us VA VA	YES yes 575 80 110 20 55 75 9 2.5
Mirror contats according to IEC/EN 609474-4-1 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 Operating times Average time for Us control in AC	min max min max in-rush holding	V %Us %Us %Us %Us VA VA W	YES yes 575 80 110 20 55 75 9



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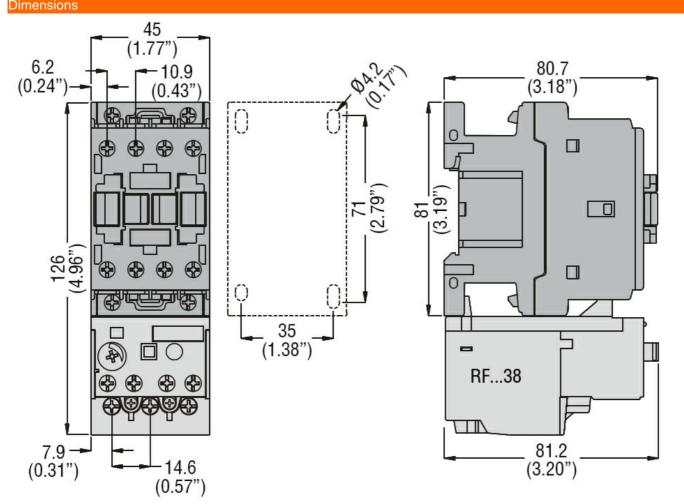
Opening NO			
	min	ms	10
	max	ms	20
Closing NC			
	min	ms	14
	max	ms	28
Opening NC			
	min	ms	7
	max	ms	18

UL technical data

General USE

Auxiliary contacts

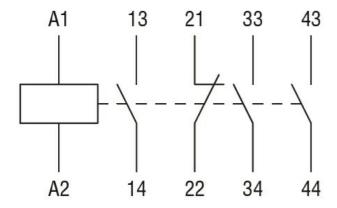
		AC current	Α	10
Contact rating of auxiliary contacts according to UL				A600 - P600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Protect	ction			
Pollution degree				3
Dimoneione				





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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