



Product designation			Auxiliary
Froduct designation			contactor
Product type designa			BF00
Contact characteristic	os en la companya de		
Number of poles		Nr.	4
Rated insulation volta	ge Ui IEC/EN	V	690
Rated impulse withsta	and voltage Uimp	kV	6
Operational frequenc	у		
	mir	ı Hz	25
	max	: Hz	400
IEC Conventional free	e air thermal current Ith	А	10
Operational current le			
•	AC-1 (=55°C) A	0
Short-time allowable	current for 10s (IEC/EN60947-1)	Α	0
Protection fuse	,		
	gG (IEC	Α	25
Tightening torque for	<u> </u>		
	mir	. Nm	1.5
	ma)		1.8
	mir		1.1
	ma		1.5
Tightening torque for			
riginiog torque to:	mir	. Nm	0.8
	ma		1
	mir		0.8
	ma		0.74
Max number of wires	simultaneously connectable	Nr.	2
Conductor section	omananooson, commosaste		
Conductor Scotlon	AWG/Kcmil		
	max	,	10
	Flexible w/o lug conductor section	<u> </u>	10
	mir	mm²	1
	max	_	6
	Flexible c/w lug conductor section	111111	<u> </u>
	mir	n mm²	1
	ma		4
	Flexible with insulated spade lug conductor section		r
	mir	mm²	1
	max	_	4
Power terminal prote	ction according to IEC/EN 60529	111111	IP20 when wired
Mechanical features	Clion according to IEO/EN 00029		IF ZU WHEH WHEU
Operating position			
Operating position	norma	İ	Vertical plan
	allowable		±30°
	allowable	•	エンロ



ENERGY AND AUTOMATION

Fixing			Screw / DIN rail 35mm
Weight		g	368
Conductor section			
AWG/kcmil conductor section			
Barrier and the second	max		10
Auxiliary contact characteristics		•	4.0
Thermal current Ith		Α	10
IEC/EN 60947-5-1 designation			A600 - P600
Operating current AC15	230V	۸	2
	400V	A A	3 1.9
	500V	A	1.4
Operating current DC12	300 7		1.4
Operating current DO12	110V	Α	5.7
Operating current DC13	1100		J.1
operating editions be to	24V	Α	5.7
	48V	A	2.9
	60V	A	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			
Performance level B10d according to EN/ISO 13489-1			
	mechanical load	cycles	20000000
Mirror contats according to IEC/EN 609474-4-1			
<u>-</u>			YES
EMC compatibility			YES yes
EMC compatibility AC coil operating			
EMC compatibility AC coil operating Rated AC voltage at 60Hz		V	
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage		V	yes
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz		V	yes
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage			yes 460
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz	min	%Us	yes 460 80
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up	min max		yes 460
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz	max	%Us %Us	yes 460 80 110
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up	max min	%Us %Us %Us	yes 460 80 110 20
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out	max	%Us %Us	yes 460 80 110
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	max min	%Us %Us %Us	yes 460 80 110 20
EMC compatibility AC coil operating Rated AC voltage at 60Hz AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out	max min max	%Us %Us %Us %Us	yes 460 80 110 20 55
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	max min max in-rush	%Us %Us %Us %Us	yes 460 80 110 20 55
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	max min max	%Us %Us %Us %Us VA	yes 460 80 110 20 55
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 min max in-rush	%Us %Us %Us %Us	yes 460 80 110 20 55
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	max min max in-rush	%Us %Us %Us %Us VA VA	yes 460 80 110 20 55 75 9 2.5
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	max min max in-rush	%Us %Us %Us %Us VA	yes 460 80 110 20 55 75 9 2.5
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	max min max in-rush	%Us %Us %Us %Us VA VA	yes 460 80 110 20 55 75 9 2.5
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	max min max in-rush	%Us %Us %Us %Us VA VA	yes 460 80 110 20 55 75 9 2.5
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	max min max in-rush	%Us %Us %Us %Us VA VA	yes 460 80 110 20 55 75 9 2.5
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	max min max in-rush holding	%Us %Us %Us %Us VA VA VA	yes 460 80 110 20 55 75 9 2.5
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	max min max in-rush	%Us %Us %Us %Us VA VA	yes 460 80 110 20 55 75 9 2.5



Opening	NO

	min	ms	10
	max	ms	20
Closing NC			
	min	ms	17
	max	ms	30

Opening NC

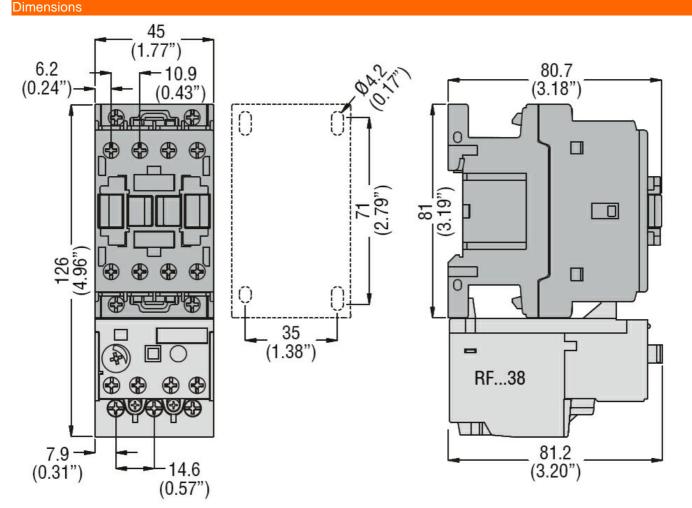
min ms 7 max ms 18

UL technical data

General USE

Auxiliary contacts

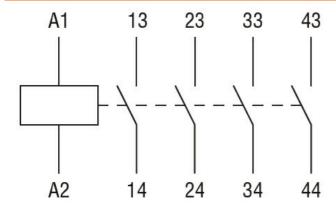
		AC current	Α	10
Contact rating of auxiliary contacts according to UL				A600 - P600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Protection	n			
Pollution degree				3
Discount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





ENERGY AND AUTOMATION

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