



Product designation				Auxiliary
Product type designat	ion			contactor BF00
Contact characteristic				DI 00
Number of poles			Nr.	4
Rated insulation voltage	ne Hi IFC/FN		V	690
Rated impulse withsta	-		kV	6
Operational frequency	•		100	
operational frequency		min	Hz	25
		max	Hz	400
IFC Conventional free	air thermal current Ith	тих	A	10
	current for 10s (IEC/EN60947-1)		A	0
Protection fuse	current for 103 (IEO/EN00347-1)			
i iotection iuse		gG (IEC)	Α	25
Tightening torque for t	torminale	gG (IEC)	^	25
rigitieriirig torque for t	Emiliais	min	Nm	1.5
		min max	Nm Nm	1.8
			lbin	1.0
		min	lbin	1.5
Tightoning torque for	poil terminal	max	IDIII	1.0
Tightening torque for	con terminal	min	Nm	0.8
			Nm	0.6 1
		max	lbin	
		min	lbin	0.8
May number of wires	oimultana ayah aanna atabla	max		0.74
	simultaneously connectable		Nr.	2
Conductor section	AWG/Kcmil			
	AVVG/NCITIII	may		10
	Clavible w/e lug conductor coetion	max		10
	Flexible w/o lug conductor section	min	mama <sup>2</sup>	4
		min	mm²	1
	Clavible abulus conductor costico	max	mm²	6
	Flexible c/w lug conductor section	min	mm²	4
		min		1 4
	Flexible with insulated spade lug conductor section	max	mm²	4
	riexible with insulated spade lug conductor section	min	mm²	1
		max	mm²	4
Power terminal protect	ction according to IEC/EN 60529	Пах	111111	IP20 when wired
Mechanical features	clion according to IEC/EN 00329			IF 20 WHEIT WIFE
Operating position				
Operating position		normal		Vertical plan
		allowable		±30°
-		allowable		Screw / DIN rail
Fixing				35mm
Weight			g	355
TTOIGHT			9	000



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Conductor section					
	AWG/kcmil conductor	section	may		10
Auxiliary contact chara	octeristics		max		10
Thermal current Ith				Α	10
IEC/EN 60947-5-1 des	signation				A600 - P600
Operating current AC1					
			230V	Α	3
			400V	Α	1.9
			500V	Α	1.4
Operating current DC1	12				
			110V	Α	5.7
Operating current DC1	13				
			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					
	0d according to EN/ISO	13489-1			
	Ŭ		mechanical load	cycles	20000000
Mirror contats according	ng to IEC/EN 609474-4-	1		0,0.00	YES
EMC compatibility	<u>g </u>	•			-
					yes
AC coil operating	0Hz			V	
AC coil operating Rated AC voltage at 60	0Hz			V	120
AC coil operating		at 60Hz		V	
AC coil operating Rated AC voltage at 60	0Hz of 60Hz coil powered			V	
AC coil operating Rated AC voltage at 60		at 60Hz pick-up	min		120
AC coil operating Rated AC voltage at 60			min max	%Us	120
AC coil operating Rated AC voltage at 60		pick-up	min max		120
AC coil operating Rated AC voltage at 60			max	%Us %Us	120 80 110
AC coil operating Rated AC voltage at 60		pick-up	max min	%Us %Us %Us	120 80 110 20
AC coil operating Rated AC voltage at 60 AC operating voltage	of 60Hz coil powered	pick-up	max	%Us %Us	120 80 110
AC coil operating Rated AC voltage at 60	of 60Hz coil powered	pick-up drop-out	max min	%Us %Us %Us	120 80 110 20
AC coil operating Rated AC voltage at 60 AC operating voltage	of 60Hz coil powered	pick-up drop-out	max min max	%Us %Us %Us %Us	120 80 110 20 55
AC coil operating Rated AC voltage at 60 AC operating voltage	of 60Hz coil powered	pick-up drop-out	max min max in-rush	%Us %Us %Us %Us	120 80 110 20 55
AC coil operating Rated AC voltage at 60 AC operating voltage  AC average coil consu	of 60Hz coil powered  umption at 20°C of 60Hz coil powered	pick-up drop-out	max min max	%Us %Us %Us %Us VA	120 80 110 20 55
AC coil operating Rated AC voltage at 66 AC operating voltage  AC average coil consul	of 60Hz coil powered  umption at 20°C of 60Hz coil powered	pick-up drop-out	max min max in-rush	%Us %Us %Us %Us	120 80 110 20 55
AC coil operating Rated AC voltage at 66 AC operating voltage  AC average coil consultation  Dissipation at holding and max cycles frequency	of 60Hz coil powered  umption at 20°C of 60Hz coil powered	pick-up drop-out	max min max in-rush	%Us %Us %Us %Us VA VA W	120 80 110 20 55 75 9 2.5
AC coil operating Rated AC voltage at 60 AC operating voltage  AC average coil consultation  Dissipation at holding Max cycles frequency Mechanical operation	of 60Hz coil powered  umption at 20°C of 60Hz coil powered	pick-up drop-out	max min max in-rush	%Us %Us %Us %Us VA	120 80 110 20 55 75 9 2.5
AC coil operating Rated AC voltage at 66 AC operating voltage  AC average coil consultation  Dissipation at holding Max cycles frequency Mechanical operation Operating times	of 60Hz coil powered  Imption at 20°C of 60Hz coil powered  =20°C 50Hz	pick-up drop-out	max min max in-rush	%Us %Us %Us %Us VA VA W	120 80 110 20 55 75 9 2.5
AC coil operating Rated AC voltage at 60 AC operating voltage  AC average coil consultation  Dissipation at holding Max cycles frequency Mechanical operation	of 60Hz coil powered  Imption at 20°C of 60Hz coil powered  =20°C 50Hz	pick-up drop-out	max min max in-rush	%Us %Us %Us %Us VA VA W	120 80 110 20 55 75 9 2.5
AC coil operating Rated AC voltage at 66 AC operating voltage  AC average coil consultation  Dissipation at holding Max cycles frequency Mechanical operation Operating times	of 60Hz coil powered  Imption at 20°C of 60Hz coil powered  =20°C 50Hz	pick-up drop-out at 60Hz	max min max in-rush	%Us %Us %Us %Us VA VA W	120 80 110 20 55 75 9 2.5
AC coil operating Rated AC voltage at 66 AC operating voltage  AC average coil consultation  Dissipation at holding Max cycles frequency Mechanical operation Operating times	of 60Hz coil powered  Imption at 20°C of 60Hz coil powered  =20°C 50Hz	pick-up drop-out	max min max in-rush	%Us %Us %Us %Us VA VA W	120 80 110 20 55 75 9 2.5 3600
AC coil operating Rated AC voltage at 66 AC operating voltage  AC average coil consultation  Dissipation at holding Max cycles frequency Mechanical operation Operating times	of 60Hz coil powered  Imption at 20°C of 60Hz coil powered  =20°C 50Hz	pick-up drop-out at 60Hz	max min max in-rush holding	%Us %Us %Us %Us VA VA W cycles/h	120 80 110 20 55 75 9 2.5 3600
AC coil operating Rated AC voltage at 66 AC operating voltage  AC average coil consultation  Dissipation at holding Max cycles frequency Mechanical operation Operating times	of 60Hz coil powered  Imption at 20°C of 60Hz coil powered  =20°C 50Hz	pick-up drop-out at 60Hz Closing NO	max min max in-rush holding	%Us %Us %Us %Us VA VA W	120 80 110 20 55 75 9 2.5 3600
AC coil operating Rated AC voltage at 66 AC operating voltage  AC average coil consultation  Dissipation at holding Max cycles frequency Mechanical operation Operating times	of 60Hz coil powered  Imption at 20°C of 60Hz coil powered  =20°C 50Hz	pick-up drop-out at 60Hz	max min max in-rush holding min max	%Us %Us %Us %Us VA VA W cycles/h	120 80 110 20 55 75 9 2.5 3600
AC coil operating Rated AC voltage at 66 AC operating voltage  AC average coil consultation  Dissipation at holding Max cycles frequency Mechanical operation Operating times	of 60Hz coil powered  Imption at 20°C of 60Hz coil powered  =20°C 50Hz	pick-up drop-out at 60Hz Closing NO	max min max in-rush holding	%Us %Us %Us %Us VA VA W cycles/h	120 80 110 20 55 75 9 2.5 3600



$\sim$	00100	NIC
CI	osing	INC

-	min	ms	9
	max	ms	25
Opening NC			
	min	ms	9
	max	ms	15

## UL technical data

General USE

**Dimensions** 

Auxiliary contacts

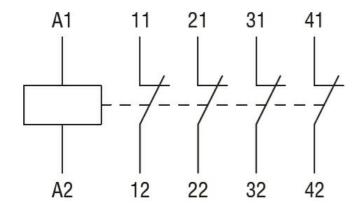
· · · · · · · · · · · · · · · · · · ·			
	AC current	Α	10
Contact rating of auxiliary contacts according to UL			A600 - P600
Ambient conditions			
Temperature			
Operating temperature			
	min	°C	-50
	max	°C	70
Storage temperature			
	min	°C	-60
	max	°C	80
Max altitude		m	3000
Resistance & Protection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

## 45 (1.77") 80.7 (3.18") 6.2 -10.9 (0.24")0 81<u>.</u> (3.19" \_ 35 (1.38") RF...38 7.9 <del>-</del> (0.31") 81.2 (3.20") 14.6 (0.57")

## Wiring diagrams



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## 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

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