



Draduat daalamatian				Auxiliary
Product designation				contactor
Product type designa				BF00
Contact characteristic	CS			
Number of poles			Nr.	4
Rated insulation volta			V	690
Rated impulse withsta	,		kV	6
Operational frequenc	cy .	_		
		min	Hz	25
		max	Hz	400
	e air thermal current Ith		Α	10
Operational current le	9			
		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	Ibin	1.1
		max	Ibin	1.5
Tightening torque for	coil terminal			
		min	Nm	0.8
		max	Nm	1
		min	Ibin	0.8
		max	Ibin	0.74
	simultaneously connectable		Nr.	2
Conductor section	ANA 0.11			
	AWG/Kcmil			4.0
		max		10
	Flexible w/o lug conductor section		2	
		min	mm²	1
	FI 21 / 1 / 2	max	mm²	6
	Flexible c/w lug conductor section	:		4
		min	mm²	1
	Florible with insulated and deliver and destance of the	max	mm²	4
	Flexible with insulated spade lug conductor section	:		4
		min	mm²	1
		max	mm²	4
Power terminal prote	ction according to IEC/EN 60529			IP20 when
Mechanical features				properly wired
Operating position				
Operating position		normal		Vertical plan
		normal		Vertical plan
		allowable		±30°



Fixing				Screw / DIN rail 35mm
Weight			g	496
Conductor section				
	AWG/kcmil conductor section			
		max		10
Auxiliary contact chara	cteristics			
Thermal current Ith			Α	10
IEC/EN 60947-5-1 de:	signation			A600 - P600
Operating current AC1	15			
		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				
Performance level B1	0d according to EN/ISO 13489-1		_	
		mechanical load	cycles	20000000
	ng to IEC/EN 609474-4-1			YES
EMC compatibility				yes
AC coil operating				
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	of 50/60Hz coil powered at 50Hz drop-out			
		max	%Us	55
	drop-out	max		
OC rated control volta	drop-out	max	%Us	55 48
DC rated control voltage	drop-out	max		
DC rated control volta	drop-out		V	48
DC rated control voltage	drop-out	min	V %Us	48
DC rated control volta	ge pick-up		V	48
DC rated control volta	drop-out	min max	V %Us %Us	48 80 110
DC rated control volta	ge pick-up	min max min	V %Us %Us	48 80 110
DC rated control voltage DC operating voltage	ge pick-up drop-out	min max	V %Us %Us	48 80 110
DC coil operating DC rated control voltage DC operating voltage Average coil consump	ge pick-up drop-out	min max min max	V %Us %Us %Us %Us	48 80 110 10 40
DC rated control voltage DC operating voltage	ge pick-up drop-out	min max min max in-rush	V %Us %Us %Us %Us %Us	48 80 110 10 40 2.4
DC rated control voltage DC operating voltage Average coil consump	ge pick-up drop-out	min max min max	V %Us %Us %Us %Us	48 80 110 10 40
DC rated control voltage DC operating voltage Average coil consump	ge pick-up drop-out	min max min max in-rush	V %Us %Us %Us %Us WUS	48 80 110 10 40 2.4 2.4
DC rated control voltage DC operating voltage Average coil consump Max cycles frequency Mechanical operation	ge pick-up drop-out	min max min max in-rush	V %Us %Us %Us %Us %Us	48 80 110 10 40 2.4 2.4
DC rated control voltage DC operating voltage	ge pick-up drop-out drop-out	min max min max in-rush	V %Us %Us %Us %Us WUS	48 80 110 10 40 2.4 2.4

Closing NO

in DC



		min	ms	75	
		max	ms	91	
	Opening NO				
		min	ms	15	
		max	ms	19	
	Closing NC				
		min	ms	24	
		max	ms	30	
	Opening NC				
		min	ms	67	
		max	ms	81	
l doto					

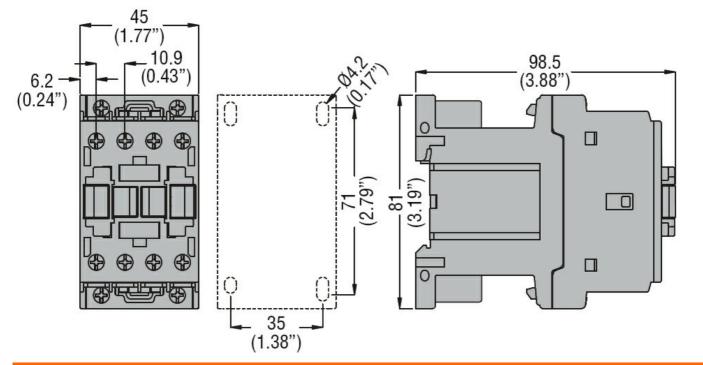
UL technical data

General USE

Auxiliary contacts

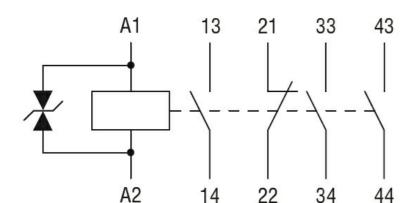
	AC current	Α	10
Contact rating of auxiliary contacts according to UL			A600 - P600
Ambient conditions			
Temperature			
Operating temperature			
	min	°C	-50
	max	°C	70
Storage temperature			
	min	°C	-60
	max	°C	80
Max altitude		m	3000
Resistance & Protection			
Pollution degree			3

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