



Product type designation  Contact characteristics  Number of poles  Rated insulation voltage Ui IEC/EN  Rated impulse withstand voltage Uimp  Operational frequency  IEC Conventional free air thermal current Ith  Protection fuse  Tightening torque for terminals	min max gG (IEC) min max min max	Nr. V kV Hz Hz A Nm Nm	contactor BF00 4 690 6 25 400 10 25
Contact characteristics Number of poles Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operational frequency  IEC Conventional free air thermal current Ith Protection fuse	max gG (IEC) min max min	V kV Hz Hz A  A  Nm Nm	4 690 6 25 400 10
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Operational frequency  IEC Conventional free air thermal current Ith  Protection fuse	max gG (IEC) min max min	Hz Hz A A Nm Nm	25 400 10 25
IEC Conventional free air thermal current Ith  Protection fuse	max gG (IEC) min max min	A A Nm Nm	400 10 25
Protection fuse	max gG (IEC) min max min	A A Nm Nm	400 10 25
Protection fuse	gG (IEC)  min  max  min	A A Nm Nm	10 25
Protection fuse	min max min	A Nm Nm	25
	min max min	Nm Nm	
	min max min	Nm Nm	
Tighterning torque for terminals	max min	Nm	1.5
	max min	Nm	1.0
	min		1.8
		lbin	1.1
		Ibin	1.5
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	Ibin	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			
	min	mm²	1
	max	mm²	4
Flexible with insulated spade lug conductor section			
	min	mm²	1
	max	mm²	4
Power terminal protection according to IEC/EN 60529			IP20 when
			properly wired
Mechanical features  Operating position			
Operating position	normal		Vertical plan
	normal allowable		Vertical plan ±30°
	allowable		Screw / DIN rail
Fixing			35mm
Weight			360
Auxiliary contact characteristics		g	300



**ENERGY AND AUTOMATION** 

Thermal current Ith			Α	10
IEC/EN 60947-5-1 des	signation			A600 - P600
Operating current AC1	5			
		230V	Α	3
		400V	Α	1.9
		500V	Α	1.4
Operating current DC1	2			
operating current 201	_	110V	Α	5.7
Operating current DC1	2	1100	- / \	0.7
Operating current DC1	3	24V	٨	5.7
			A	
		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 B10	Od according to EN/ISO 13489-1			
	-	mechanical load	cycles	20000000
EMC compatibility				yes
AC coil operating				,
Rated AC voltage at 50	7/60Hz		V	48
AC operating voltage	5/00112		· ·	40
AC operating voltage	of EO/COLLE goil nowared at EOLLE			
	of 50/60Hz coil powered at 50Hz			
	pick-up		0/11	
		min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	55
	of 50/60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out			
	·	min	%Us	20
		max	%Us	55
AC average coil consu	mption at 20°C			
	of 50/60Hz coil powered at 50Hz			
	5. 55. 501 IE 5011 portorod at 501 IE	in-rush	VA	75
		holding	VA	9
	of 50/60Hz coil powered at 60Hz	Holding	٧٨	<u> </u>
	or 50/00112 con powered at 00Hz	in much	١/٨	70
		in-rush	VA	70 6.5
	. ( 0011	holding	VA	6.5
	of 60Hz coil powered at 60Hz			
		in-rush	VA	75
		holding	VA	9
Dissipation at holding	≤20°C 50Hz		W	2.5
Max cycles frequency				
max by blob modubing				
Mechanical operation			cycles/h	3600

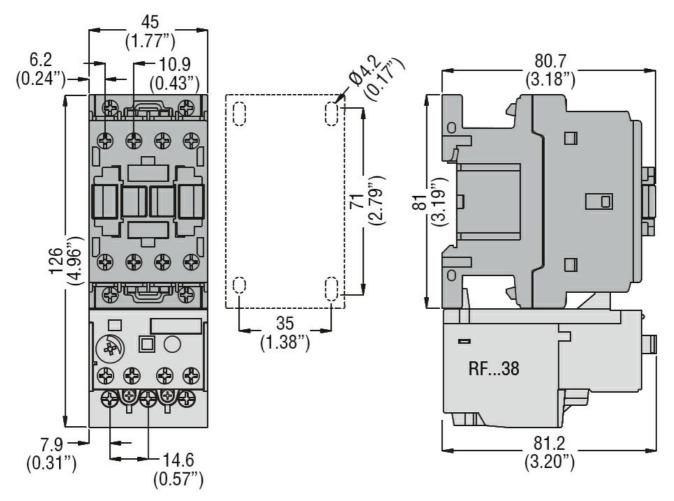


Average time for Us control

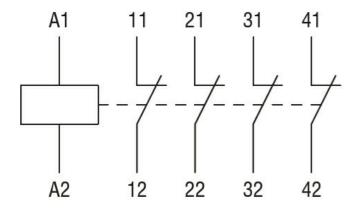
7.1.0.agoo .o. 00 00	in AC				
	III AC	Closing NO			
		Closing NO			0
			min	ms	8
		0 : 110	max	ms	24
		Opening NO			4.0
			min	ms	10
			max	ms	20
		Closing NC			
			min	ms	9
			max	ms	25
		Opening NC			
			min	ms	9
			max	ms	15
UL technical data					
Rated operational volta	age AC (UL)			V	600
General USE					
	Auxiliary contacts				
	,		AC current	Α	10
Contact rating of auxiliary contacts according to UL				A600 - P600	
Ambient conditions	my contact decorating to				1,000
Temperature					
	Operating temperature				
	operating temperature		min	°C	-50
			max	°C	70
	Storage temperature		Hux		
	Storage temperature		min	°C	-60
				°C	80
Max altitude			max		
				m	3000
Resistance & Protection	on				
<b>B</b> II (* 1					^
Pollution degree					3
Pollution degree Dimensions					3







## 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