



min max 00V 00V	Nr. V kV	4 1000 8
max 00V	V kV Hz	1000 8
max 00V	V kV Hz	1000 8
max 00V	kV Hz	8
max 00V	Hz	
max 00V		25
max 00V		25
00V	1.1-	۷.
	Hz	400
	Α	115
001/	Α	115
5 U V	Α	100
00V	Α	90
00V	Α	80
	Α	640
IEC)	Α	125
IEC)	Α	80
- /	mΩ	0.6
lth	W	7.9
	•••	
min	Nm	4
max	Nm	5
min	lbin	2.95
max	lbin	3.69
Παλ	IDIII	3.09
min	Nm	0.8
min max	Nm	1
max	Ibin	0.8
min	lbin	
max	Nr.	0.74
	INI.	
max		2
		1.5
	mm²	35
max	mm²	1.5
max min	mm²	35
max min		IP20 front
	max	max mm² min mm²

Operating position



**ENERGY AND AUTOMATION** 

		normal allowable		Vertical plan ±30°
Fixing				Screw / DIN rail 35mm
Weight			g	12476
Conductor section				
AW	/G/kcmil conductor section			
		max		2
Operations				
Mechanical life			cycles	15000000
Safety related data				
Performance level B10d ac	cording to EN/ISO 13489-1			
		mechanical load	cycles	15000000
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 50/60h	12		V	230
AC operating voltage	70/00Ll=!l =       50Ll			
Of 5	50/60Hz coil powered at 50Hz			
	pick-up		0/11-	90
		min	%Us %Us	80 110
	drop-out	max	70US	110
	diop-out	min	%Us	20
		max	%Us	55
of 5	50/60Hz coil powered at 60Hz	- Indx	7000	
3. 3	pick-up			
	Free ap	min	%Us	85
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	55
AC average coil consumption				
of 5	50/60Hz coil powered at 50Hz			
		in-rush		210
		holding	VA	15
of 5	50/60Hz coil powered at 60Hz			
		in-rush	VA	195
	2011	holding	VA	13
of 6	60Hz coil powered at 60Hz		١/٨	240
		in-rush holding	VA	210
Dissination at holding <20°C	2 504-	nolding	VA W	15 5
Dissipation at holding ≤20°C Max cycles frequency	2 3UHZ		VV	5
Mechanical operation			cycles/h	3600
Operating times			Cycles/11	3000
Average time for Us control				
in A				
1117	Closing NO			
	2.339	min	ms	12
		max	ms	28
	Opening NO			
	, 3	min	ms	8
		max	ms	22

max

°C

m

80

3000



C	osing	NO
	osing	110

J	min max	_	40 85
Opening NO	min	me	20
	max	ms	55

## UL technical data

Ambient conditions

General USE

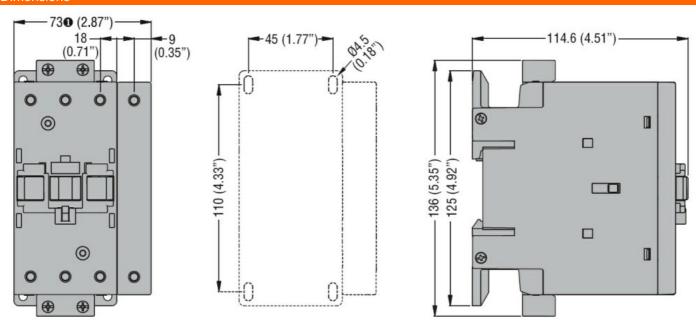
Temperature

Contactor				
	AC current	Α	115	
4 poles in series DC1				
	600V	Α	100	
Operating temperature				
	min	°C	-50	
	max	°C	70	
Storage temperature		•		
	min	°C	-60	

Max altitude Resistance & Protection

Pollution degree 3

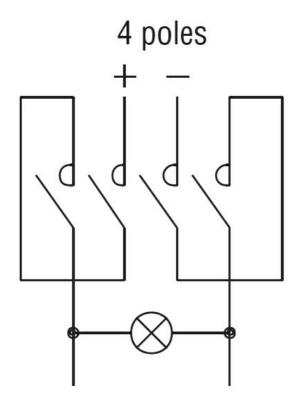
## **Dimensions**



① BF80T2 82mm/3.23"

Wiring diagrams





## Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1

IEC/EN/BS 60947-1

IEC/EN/BS 60947-4-1

UL 60947-1

UL 60947-4-1

Certificates

cULus

ETIM classification

ETIM 8.0

EC002552 -Power contactor, DC switching