



	min max	nr. V kV Hz Hz	4 1000 8 25 400
Number of poles Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operational frequency		V kV Hz Hz	1000 8 25
Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operational frequency		V kV Hz Hz	1000 8 25
Rated impulse withstand voltage Uimp Operational frequency		kV Hz Hz	8 25
Operational frequency		Hz Hz	25
		Hz	
		Hz	
	тах		400
IEC Conventional free air thermal current Ith		Α	115
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	001/	•	100
	00V	A	100
	00V	A	100
	00V	A	76
	00V	A	60
Short-time allowable current for 10s (IEC/EN60947-1)		Α	640
Protection fuse		_	
gG (I	,	Α	125
aM (I	EC)	Α	80
Resistance per pole (average value)		mΩ	0.6
Power dissipation per pole (average value)			
	Ith	W	7.9
Tightening torque for terminals			
	min	Nm	4
· ·	max	Nm	5
	min	lbin	2.95
	max	Ibin	3.69
Tightening torque for coil terminal			
	min	Nm	0.8
į	max	Nm	1
	min	lbft	0.8
	max	lbft	0.74
Max number of wires simultaneously connectable		nr.	2
Conductor section			
Flexible w/o lug conductor section			
	min	mm²	1.5
	max	mm²	35
Flexible c/w lug conductor section			
	min	mm²	1.5
	max	mm²	35
Power terminal protection according to IEC/EN 60529			IP20 front
Mechanical features			
Operating position			
no	mal		vertical plan
allow	able		±30°



**ENERGY AND AUTOMATION** 

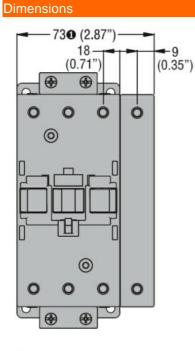
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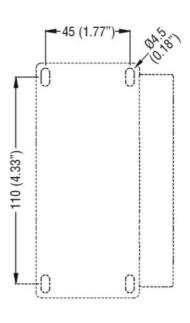
Fixing					Screw / DIN rail 35mm
Weight				g	12476
Operations					
Mechanical life				cycles	15000000
Safety related data					
Performance level B1	0d according to EN/	ISO 13489-1			
			mechanical load	cycles	15000000
EMC compatibility					yes
AC coil operating					
Rated AC voltage at 5	0/60Hz, 60Hz				
· ·			min	V	12
			max	V	600
AC operating voltage					
	of 50/60Hz coil po	wered at 50Hz			
	0. 00,001.12 001. po	pick-up			
		p.o 4.p	max	%Us	110
		drop-out	max	7000	110
		drop out	min	%Us	20
			max	%Us	55
	of 50/60Hz coil po	wored at 60Hz	παλ	7003	
	01 30/00112 con po	pick-up			
		pick-up	min	%Us	85
				%Us	110
		drop out	max	70US	110
		drop-out		0/116	20
			min	%Us	20
AO an anatin a coltana	-1 00°C		max	%Us	55
AC operating voltage		=011			
	of 50/60Hz coil po	wered at 50Hz			0.4.0
			in-rush	VA	210
			holding	VA	15
	of 50/60Hz coil po	wered at 60Hz			
			in-rush	VA	195
			holding	VA	13
	of 60Hz coil power	red at 60Hz			
			in-rush	VA	210
			holding	VA	15
Dissipation at holding	≤20°C 50Hz			W	5
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us of	ontrol				
	in AC				
		Closing NO			
		Ŭ	min	ms	12
			max	ms	28
		Opening NO			-
			min	ms	8
			max	ms	22
	in DC		шах	1110	
	111 00	Closing NO			
		CIOSING INC	min	me	40
			min	ms ms	
		Opening NO	max	ms	85
		Opening NO			

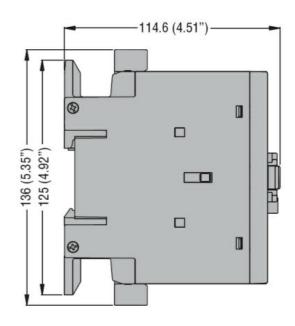


**ENERGY AND AUTOMATION** 

		min	ms	20
		max	ms	55
UL technical data				
General USE				
	Contactor			
		AC current	Α	115
	4 poles in series DC1			
		600V	Α	100
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



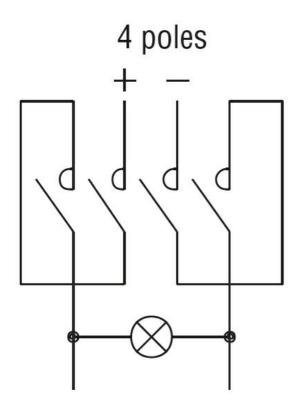




① BF80T2 82mm/3.23"

Wiring diagrams





## Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1.

IEC/EN 60947-1

IEC/EN 60947-4-1

UL 60947-4-1

Certificates

cULus