



Product designation Product type designation			Power contactor BF25
Contact characteristics			
Number of poles		nr.	3
Rated insulation voltage Ui		V	690
Rated impulse withstand voltage Uimp		kV	6
Operating frequency			
	Operational frequency min	Hz	25
	Operational frequency max	Hz	400
Conventional free air thermal current Ith		Α	32
Operating current			
	Operational current AC1 (≤40°C)	Α	32
	Operational current AC3 (≤440V ≤55°C)	Α	25
	Operational current AC4 (400V)	Α	10
Rated operational power AC1 (T≤40°C)	. ,		
. , , , ,	230V	kW	12
	400V	kW	21
	500V	kW	26
	690V	kW	36
Rated operational power AC3 (T≤55°C)			
, ,	230V	kW	7
	400V	kW	12.5
	415V	kW	13.4
	440V	kW	13.4
	500V	kW	15
	690V	kW	11
Short-time allowable current for 10s (IEC/EN60947	7-1)	Α	200
Protection fuse	•		
	gG (IEC)	Α	50
	aM (IEC)	Α	25
Making capacity (RMS value)	· · ·	Α	250
Breaking capacity at voltage			
- · · · · ·	Breaking capacity 440V	Α	200
	Breaking capacity 500V	Α	184
	Breaking capacity 690V	Α	102
Resistance per pole (average value)	<u> </u>	mΩ	2.5
Power dissipation per pole (average value)			
	ower dissipation pole (average value) Ith	W	2.6
	AC3	W	1.6
Tightening torque for terminals			
-	min	Nm	1.5
	max	Nm	1.8
	min	lbft	1.1
	111111		



		min	Nm	0.8
		max	Nm	1
		min	lbft	0.8
may number of wires	nimultan aqualy agan agtable	max	Ibft	0.74
Conductor section	simultaneously connectable		nr.	
Conductor Section	AWG			
	AWG	min		16
		max		10
	Flexible w/o lug conductor section	Пах		10
	rioxisto in/o lag contactor cociton	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 protect	tion according to IEC/EN 60529			IP20 when wired
Auxiliary contact chara	acteristics			
Type of contact				1 NC
Thermal current Ith			Α	10
IEC/EN 60947-5-1 de				A600 - P600
Operational current A			Α	32
Operating current AC	15			
		230V	Α	3
		400V	Α	1.9
		500V	Α	1.4
Operating current DC	12			
		110V	Α	5.7
Operating current DC	13			
		24V	Α	5.7
		48V	Α	2.9
		60V	Α	2.3
		110V	Α	Screw / DIN rail 35mm
		125V	Α	0.6
		220V	Α	0.2
		600V	Α	1.2
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Operating position				Madala
		normal		Vertical plan
		allowable		±30°
Mounting				Screw / DIN rail 35mm
Weight			-	0.36
vveigiit			g	0.30



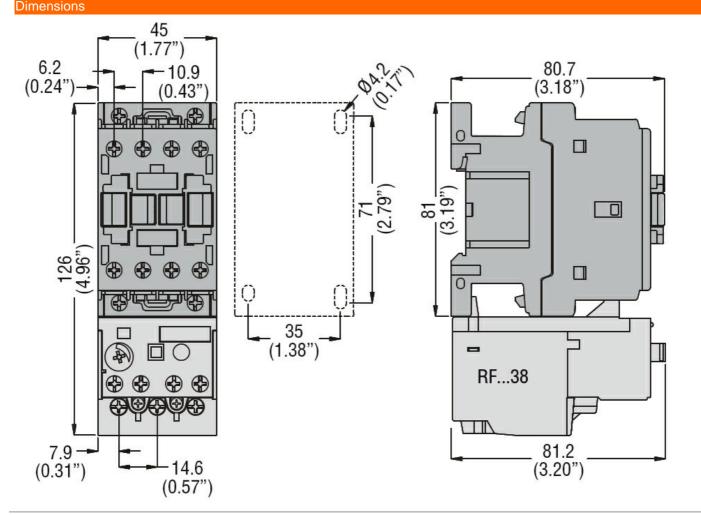
	Cycles	
	Cycles	20000000
	Cycles	1200000
		1200000
mechanicai ioad	Cicii	20000000
		yes yes
		yes
min	%Us	0.8
max	%Us	1.1
	0/11	
		0.2
max	7₀U S	0.55
min	%Us	0.85
max	%Us	1.1
min	%Us	0.2
max	%Us	0.55
	0/11-	0.0
		0.8 1.1
IIIdX	%US	1.1
min	%Us	0.2
max	%Us	0.55
	VA	75
holding	VA	9
	1/4	70
		70 6.5
noiding	VA	0.0
in-rush	VA	75
	VA	9
	W	2.5
	Cycles/h	3600
		0
min	ms ms	8
min max	ms ms	8 24
	min max	mechanical load Cicli min %Us max %Us in-rush VA holding VA in-rush VA holding VA



Closing NC		
	min ms	14
1	nax ms	28
Opening NC		
	min ms	7
1	max ms	18
UL technical data		
Full-load current (FLA) for three-phase AC motor		
at 4	30V A	21
at 6	00V A	17
Yielded mechanical performance		
for single-phase AC motor		
at 110/1	20V hp	2
at 2	30V hp	3
for three-phase AC motor		
at 200/20)8V hp	7.5
at 220/2	30V hp	7.5
at 460/4	30V hp	15
at 575/6	00V hp	15
Contact rating of auxiliary contacts according to UL		A600 - P600
General USE		

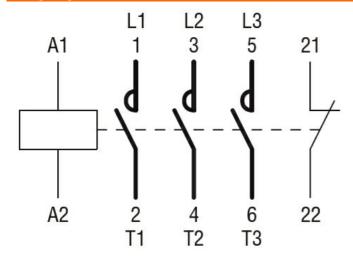
Contactor

	AC current	А	32
Other features			
Pollution degree			3



ENERGY AND AUTOMATION

Wiring diagrams



Certifications and compliance

Certifications

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1

IEC/EN 60947-1

IEC/EN 60947-4-1

UL 60947-1

UL 60947-4-1

Compliance

CCC

cULus

EAC

ETIM 6 classification

EC000066 - Power contactor, AC switching