



Product designation			Power contactor
Product type designation			BF25
Contact characteristics			
Number of poles		nr.	3
Rated insulation voltage Ui		V	690
Rated impulse withstand voltage Uimp		kV	6
Operating frequency			0
Operating nequency	Operational frequency min	⊔ →	25
	Operational frequency min	Hz	25
	Operational frequency max	Hz	400
Conventional free air thermal current Ith		A	32
Operating current			
	Operational current AC1 (≤40°C)	A	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
Chart time allowable surrent for 10s (IEC/EN/			
Short-time allowable current for 10s (IEC/ENG	60947-1)	A	200
Protection fuse			
	gG (IEC)	A	50
	aM (IEC)	A	25
Making capacity (RMS value)		A	250
Breaking capacity at voltage			
	Breaking capacity 440V	А	200
	Breaking capacity 500V	А	184
	Breaking capacity 690V	Α	102
Resistance per pole (average value)		mΩ	2.5
Power dissipation per pole (average value)			
	Power dissipation pole (average value) Ith	W	2.6
	ÁC3	W	1.6
Tightening torque for terminals			
J	min	Nm	1.5
	max	Nm	1.8
	min	lbft	1.1
	max	lbft	1.5
	IIIdX	iuit	1.0

Tightening torque for coil terminal



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min	Nm	0.8
max	Nm	1
min	lbft	0.8
max	lbft	0.74
	nr.	2
min		16
		10
тах		10
min	mm ²	1
		6
Шал		0
		1
max	mm²	4
min		1
max	mm²	4
		IP20 when wire
		1 NO
	А	10
		A600 - P600
	Α	32
		02
2201/	٨	2
		3
		1.9
500V	A	1.4
110V	A	5.7
24V	А	5.7
48V	А	2.9
60V	А	2.3
		Screw / DIN rail
110V	A	35mm
125V	А	0.6
		0.2
		1.2
0001		
	° 0	50
		-50
max	Û	70
min		-60
max	°C	80
	m	3000
normal		Vertical plan
allowable		±30°
		Screw / DIN rail
		35mm
	max min max min max min max min max min max min max 230V 400V 500V 110V 24V 400V 500V 110V 110V 125V 220V 600V 110V	max Nm min lbft Ibft nr. min mm² max mm² mm² mm² mm² mm² mm² mm² mm² mm² mm²

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Operations Mechanical life Cycles 20000000 Electrical life 1200000 Cycles Safety related data Performance level B10d according to EN/ISO 13489-1 1200000 rated load Cicli 20000000 mechanical load Cicli Mirror contats according to IEC/EN 609474-4-1 yes EMC compatibility yes AC coil operating AC operating voltage of 50/60Hz coil powered at 50Hz pick-up %Us 0.8 min %Us 1.1 max drop-out %Us 0.2 min max %Us 0.55 of 50/60Hz coil powered at 60Hz pick-up %Us 0.85 min max %Us 1.1 drop-out %Us min 0.2 %Us 0.55 max of 60Hz coil powered at 60Hz pick-up min %Us 0.8 max %Us 1.1 drop-out min %Us 0.2 0.55 max %Us AC operating voltage of 50/60Hz coil powered at 50Hz in-rush VA 75 holding VA 9 of 50/60Hz coil powered at 60Hz VA 70 in-rush holding VA 6.5 of 60Hz coil powered at 60Hz VA 75 in-rush holding VA 9 Dissipation at holding ≤20°C 50Hz W 2.5 Max cycles frequency Cycles/h 3600 Mechanical operations Operating times Average time for Us control in AC

Closing NO

	min	ms	8
	max	ms	24
Opening NO			
	min	ms	10
	max	ms	20

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ms

min

14

Closing NC



min	ms		
max	ms	14 28	
	-	-	
-	ms	7	
max			
	-	-	
at 480V	А	21	
		17	
at 110/120V	hn	2	
at 2001	пр	5	
at 200/208\/	hn	75	
	•		
	•		
at 575/600V	пр		
		A000 - P60	U
	۸	22	
	A	JZ	
		2	
		3	
(3.19 ^{")}			
	at 480V at 600V at 110/120V at 230V at 220/208V at 220/230V at 460/480V at 575/600V AC current	min ms max ms at 480V A at 600V A at 110/120V hp at 230V hp at 220/208V hp at 220/208V hp at 460/480V hp at 575/600V hp AC current A	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

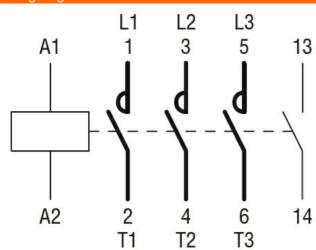
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Wiring diagrams



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	

ETIM 6 classification

EC000066 - Power contactor, AC switching

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