



Product designation			Power contactor
Product type designation			BF25
Contact characteristics			<u>^</u>
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Operational frequency			
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		A	32
Operational current le			
	AC-1 (≤40°C)	A	32
	AC-1 (≤55°C)	A	26
	AC-1 (≤70°C)	A	23
	AC-3 (≤440V ≤55°C)	A	25
	AC-4 (400V)	A	10
Rated operational power AC-3 (T≤55°C)			
	230V	kW	7
	400V	kW	12.5
	415V	kW	13.4
	440V	kW	13.4
	500V	kW	15
	690V	kW	11
Rated operational power AC-1 (T≤40°C)			
	230V	kW	12
	400V	kW	21
	500V	kW	26
	690V	kW	36
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
	≤24V	A	20
	48V	A	18
	75V	A	18
	110V	A	6
	220V	A	_
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	≤24V	A	23
	48V	A	23
	75V	A	23
	110V	A	16
	220V	A	1
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
	≤24V	А	23
	48V	А	23
	75V	А	23
	110V	А	18



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 25A, AC COIL 60HZ,

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	220V	А	12	
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series				
	≤24V	А	-	
	48V	А	_	
	75V	А	-	
	110V	А	-	
	220V	А	-	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series				
	≤24V	А	15	
	48V	А	13	
	75V	А	13	
	110V	А	2	
	220V	А	_	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series				
	≤24V	А	18	
	48V	A	18	
	75V	A	16	
	110V	A	10	
	220V	A	2	
IEC may current le in DC3 DC5 with $1/P < 15$ may with 2 pales in series	2201	~	2	
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 3 poles in series	<241	۸	22	
	≤24V	A	22	
	48V	A	22	
	75V	A	18	
	110V	A	15	
	220V	A	8	
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 4 poles in series				
	≤24V	A	-	
	48V	А	-	
	75V	A	-	
	110V	А	-	
	220V	A	_	
Short-time allowable current for 10s (IEC/EN60947-1)		Α	200	
Protection fuse				
	gG (IEC)	А	50	
	aM (IEC)	А	25	
Making capacity (RMS value)		А	250	
Breaking capacity at voltage				
- · · -	440V	А	200	
	500V	А	184	
	690V	А	102	
Resistance per pole (average value)		mΩ	2.5	
Power dissipation per pole (average value)		22111	2.0	
	lth	W	2.6	
	AC-3	W	2.0 1.6	
Tightening torque for terminals	AC-3	٧V	1.0	
		N lur-	4 5	
	min	Nm	1.5	
	max	Nm	1.8	
	min	Ibin	1.1	
	max	Ibin	1.5	
Tightening torque for coil terminal				
	min	Nm	0.8	
	max	Nm	1	
	min	Ibin	0.8	



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Maxaurebaast		max	Ibin	0.74
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			4.0
		max		10
	Flexible w/o lug conductor section			4
		min	mm²	1
	Flexible c/w lug conductor section	max	mm²	6
	Flexible c/w lug conductor section	min	mm ²	1
		min	mm² mm²	1 4
	Elevible with inculated anode lug conductor section	max	11111	4
	Flexible with insulated spade lug conductor section	min	mm²	1
			mm²	4
		max	11111	IP20 when
Power terminal prote	ction according to IEC/EN 60529			properly wired
Mechanical features				property wired
Operating position				
		normal		Vertical plan
		allowable		±30°
				Screw / DIN ra
Fixing				35mm
Weight			g	354
Conductor section			3	
	AWG/kcmil conductor section			
		max		10
Auxiliary contact char	acteristics			
Thermal current Ith			А	10
IEC/EN 60947-5-1 de	esignation			A600 - P600
Operating current AC				
		230V	А	3
		400V	А	1.9
		500V	А	1.4
Operating current DC	12			
		110V	А	5.7
	13			
Operating current DC	10			
Operating current DC		24V	А	5.7
Operating current DC		24V 48V	A A	5.7 2.9
Operating current DC				
Operating current DC		48V	А	2.9
Operating current DC		48V 60V	A A	2.9 2.3
Operating current DC		48V 60V 110V	A A A	2.9 2.3 1.25
Operating current DC		48V 60V 110V 125V	A A A A	2.9 2.3 1.25 1.1
Operating current DC		48V 60V 110V 125V 220V	A A A A	2.9 2.3 1.25 1.1 0.55
Operations		48V 60V 110V 125V 220V	A A A A	2.9 2.3 1.25 1.1 0.55
Operations Mechanical life		48V 60V 110V 125V 220V	A A A A A	2.9 2.3 1.25 1.1 0.55 0.2
		48V 60V 110V 125V 220V	A A A A A A cycles	2.9 2.3 1.25 1.1 0.55 0.2 20000000
Operations Mechanical life Electrical life Safety related data		48V 60V 110V 125V 220V	A A A A A A cycles	2.9 2.3 1.25 1.1 0.55 0.2 20000000
Operations Mechanical life Electrical life Safety related data	10d according to EN/ISO 13489-1	48V 60V 110V 125V 220V 600V	A A A A A cycles cycles	2.9 2.3 1.25 1.1 0.55 0.2 20000000 1200000
Operations Mechanical life Electrical life Safety related data	10d according to EN/ISO 13489-1	48V 60V 110V 125V 220V 600V	A A A A A cycles cycles	2.9 2.3 1.25 1.1 0.55 0.2 20000000 1200000
Operations Mechanical life Electrical life Safety related data Performance level B1	10d according to EN/ISO 13489-1	48V 60V 110V 125V 220V 600V	A A A A A cycles cycles	2.9 2.3 1.25 1.1 0.55 0.2 20000000 1200000 1200000 20000000
Operations Mechanical life Electrical life Safety related data Performance level B1	10d according to EN/ISO 13489-1	48V 60V 110V 125V 220V 600V	A A A A A cycles cycles	2.9 2.3 1.25 1.1 0.55 0.2 20000000 1200000



BF2510A46060 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 25A, AC COIL 60HZ,

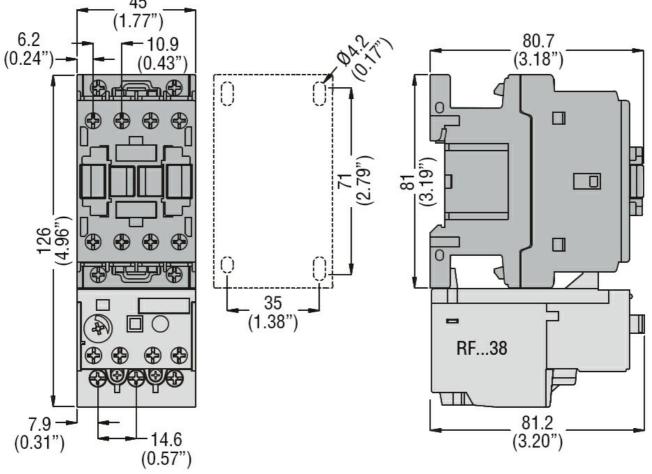
460VAC, 1NO AUXILIARY CONTACT

Rated AC voltage a			V	460
C operating voltage	-			
	of 60Hz coil powered at 60Hz			
	pick-up		0/110	0.0
		min	%Us %Us	80 110
	drop-out	max	/005	110
		min	%Us	20
		max	%Us	55
AC average coil co	nsumption at 20°C		,	
- 0	of 60Hz coil powered at 60Hz			
	•	in-rush	VA	75
		holding	VA	9
Dissipation at holdi	ng ≤20°C 50Hz		W	2.5
Max cycles frequer	ncy			
Mechanical operation	on		cycles/h	3600
Operating times				
Average time for U				
	in AC			
	Closing NO			
		min	ms	8
		max	ms	24
	Opening NO			4.0
		min	ms	10
	Closing NC	max	ms	20
	Closing NC	min	ms	14
		max	ms	28
	Opening NC		me	20
		min	ms	7
		max	ms	18
JL technical data				
Full-load current (F	LA) for three-phase AC motor			
		at 480V	А	21
		at 600V	A	17
rielded mechanica	•			
	for single-phase AC motor			•
		110/120V	HP	2
		230V	HP	3
	for three-phase AC motor	200/2001	ЦБ	7 5
		200/208V 220/230V	HP HP	7.5 7.5
		460/480V	HP HP	7.5 15
		400/480V 575/600V	HP	15
General USE		010/0001		
	Contactor			
	2 c	AC current	А	32
	Auxiliary contacts			
		AC voltage	V	600
		AC current	Â	10
		DC voltage	V	250
		DC current	А	1



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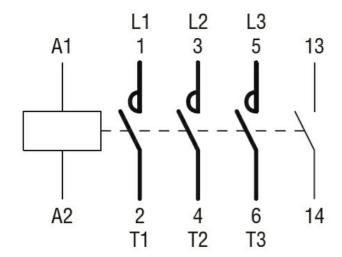
	Short circuit current	kA	100
	Fuse rating	А	60
	Fuse class		J
Standard fault			
	Short circuit current	kA	5
	Fuse rating	А	100
Contact rating of auxiliary contacts according to UL			A600 - P600
Ambient conditions			
Temperature			
Operating temperature			
	min	°C	-50
	max	°C	70
Storage temperature			
	min	°C	-60
	max	°C	80
Max altitude		m	3000
Resistance & Protection			
Pollution degree			3
Dimensions			
45			



Wiring diagrams

BF2510A46060





Certifications and compliance

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	
	CCC
	cULus
	EAC
ETIM classification	

ETIM 8.0

EC000066 -Power contactor, AC switching