



Product designation			Power contacto
Product type designation			BF25
Contact characteristics		Nr.	3
Number of poles		V	<u> </u>
Rated insulation voltage Ui IEC/EN		kV	6
Rated impulse withstand voltage Uimp		ĸv	0
Operational frequency			05
	min	Hz	25
IFC Convertional free cinthermal current lth	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)	0001/		10
	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	A	23
	48V	A	23
	75V	A	23
	110V	А	18

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	220V	А	12
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	≤24V	А	_
	48V	A	_
	75V	A	_
	110V	A	_
	220V	A	_
IEC max current le in DC3-DC5 with L/R \leq 15ms with 1 poles in series	2201	7	
	≤24V	А	15
	 48V	A	13
	75V	A	13
	110V	A	2
	220V	A	Z _
IEC may autrent to in DC2 DC5 with L/P < 15mg with 2 palog in agrice	2201	~	
IEC max current le in DC3-DC5 with L/R \leq 15ms with 2 poles in series	<0417	^	4.0
	≤24V	A	18
	48V	A	18
	75V	A	16
	110V	A	10
	220V	A	2
IEC max current le in DC3-DC5 with L/R \leq 15ms with 3 poles in series			
	≤24V	А	22
	48V	А	22
	75V	А	18
	110V	А	15
	220V	Α	8
IEC max current le in DC3-DC5 with L/R \leq 15ms with 4 poles in series			
	≤24V	А	-
	48V	А	-
	75V	А	-
	110V	А	-
	220V	А	-
Short-time allowable current for 10s (IEC/EN60947-1)		А	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)			
	lth	W	2.6
	AC-3	Ŵ	1.6
Tightening torque for terminals	//0/0		1.0
	min	Nm	1.5
	max	Nm	1.8
	min	Ibin	1.1
		Ibin	1.5
Tightening torque for coil terminal	max		1.0
Tightening torque for coil terminal		Nime	0.0
	min	Nm Nm	0.8
	max	Nm	1
	min	lbin	0.8

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Max number of wires	simultaneously connectable	max	Ibin Nr.	0.74
Conductor section			INF.	2
Conductor section	AWG/Kcmil			
	AWG/RCIIII	may		10
	Flexible w/o lug conductor section	max		10
	Flexible w/o lug conductor section	min	mm²	1
		max	mm²	6
	Flexible c/w lug conductor section	IIIdX	111111	0
	Flexible C/W lug conductor section	min	mm²	1
		max	mm²	4
	Elevible with inculated spade lug conductor section	IIIdX	111111	4
	Flexible with insulated spade lug conductor section	min	mm²	1
		min	mm²	4
		max		IP20 when
Power terminal protect	ction according to IEC/EN 60529			properly wired
Mechanical features				property when
Operating position				
		normal		Vertical plan
		allowable		±30°
		allowable		Screw / DIN rai
Fixing				35mm
Weight			g	500
Conductor section			9	000
	AWG/kcmil conductor section			
		max		10
Auxiliary contact char	actoristics	max		10
Thermal current Ith			А	10
IEC/EN 60947-5-1 de	esignation			A600 - P600
Operating current AC	•			7,000 1,000
operating current / C		230V	А	3
		230 V	~	-
		400\/	Δ	10
		400V 500V	A A	1.9 1 4
Operating current DC	12	400V 500V	A A	1.9 1.4
Operating current DC	12	500V	А	1.4
Operating current DC Operating current DC		500V 110V	A	1.4 5.7
		500V 110V 24V	A A A	1.4 5.7 5.7
		500V 110V 24V 48V	A A A A	1.4 5.7 5.7 2.9
		500V 110V 24V 48V 60V	A A A A A	1.4 5.7 5.7 2.9 2.3
		500V 110V 24V 48V 60V 110V	A A A A A A	1.4 5.7 5.7 2.9 2.3 1.25
		500V 110V 24V 48V 60V 110V 125V	A A A A A A A A	1.4 5.7 5.7 2.9 2.3 1.25 1.1
		500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A	1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55
Operating current DC		500V 110V 24V 48V 60V 110V 125V	A A A A A A A A	1.4 5.7 5.7 2.9 2.3 1.25 1.1
Operating current DC		500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A	1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2
Operating current DC Operations Mechanical life		500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A Cycles	1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000
Operating current DC Operations Mechanical life Electrical life		500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A	1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2
Operating current DC Operations Mechanical life Electrical life Safety related data	13	500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A Cycles	1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000
Operating current DC Operations Mechanical life Electrical life Safety related data		500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A Cycles cycles	1.4 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000 1200000
Operating current DC Operations Mechanical life Electrical life Safety related data	13 10d according to EN/ISO 13489-1	500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A Cycles cycles	1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000 1200000 1200000
Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B1	13 10d according to EN/ISO 13489-1 me	500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A Cycles cycles	1.4 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000 1200000 1200000 20000000
Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B1	13 10d according to EN/ISO 13489-1	500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A Cycles cycles	1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000 1200000 1200000

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DC roted control voltor				V	40
DC rated control voltage	je			V	48
DC operating voltage					
	pick-up			0/11-	70
			min	%Us	70
	·		max	%Us	125
	drop-out				
			min	%Us	10
			max	%Us	40
Average coil consump	tion ≤20°C				
			in-rush	W	5.4
			holding	W	5.4
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us co	ontrol				
	in AC				
		Closing NO			
			min	ms	8
			max	ms	24
		Opening NO			
		-1- 5 -	min	ms	10
			max	ms	20
		Closing NC			
		crooning i to	min	ms	14
			max	ms	28
		Opening NC	max	1113	20
			min	ms	7
					7 18
	in DC		max	ms	10
	IN DC				
		Closing NO			F 4
			min	ms	54
			max	ms	66
		Opening NO			
			min	ms	14
			max	ms	17
UL technical data					
Full-load current (FLA)	for three-phase AC	motor			
			at 480V	А	21
			at 600V	А	17
Yielded mechanical pe	rformance				
	for single-phase A	C motor			
			110/120V	HP	2
			230V	HP	3
	for three-phase AC	Cmotor			
			200/208V	HP	7.5
			220/230V	HP	7.5
			460/480V	HP	15
			575/600V	HP	15
General USE			515/0001		
	Contactor				
	Contactor			۸	22
	A		AC current	A	32
	Auxiliary contacts			. /	000
			AC voltage	V	600
			AC current	A	10

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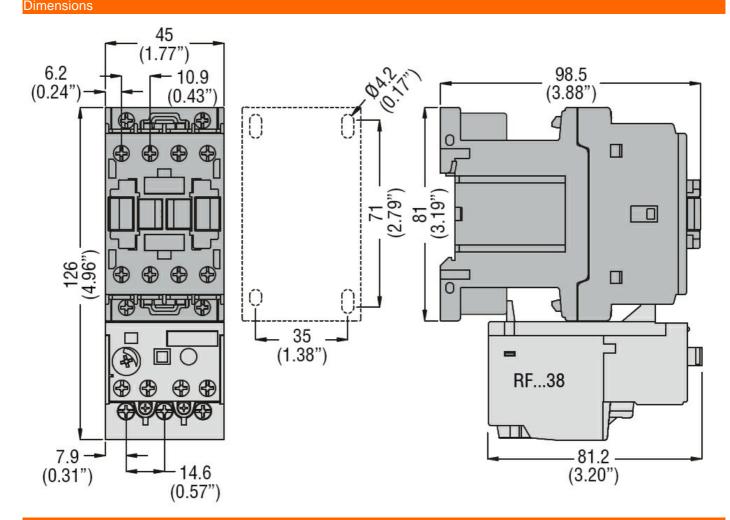


THREE-POLE CONTACTOR, IEC OPERATING CURREN

NT IE (AC3) = 25A, DC COIL, 48VDC,
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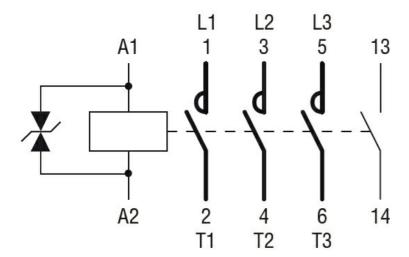
		DC voltage	V	250
		DC current	А	1
Short-circuit protect	ion fuse, 600V			
	High fault			
		Short circuit current	kA	100
		Fuse rating	А	60
		Fuse class		J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	А	100
Contact rating of au	xiliary contacts according to UL			A600 - P600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Prote	ction			
Pollution degree				3
Dimensions				



Wiring diagrams



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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