



Product designation			Power contactor
Product type designation			BF25
Contact characteristics			
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		А	32
Operational current le			
	AC-1 (≤40°C)	А	32
	AC-1 (≤55°C)	А	26
	AC-1 (≤70°C)	А	23
Д	AC-3 (≤440V ≤55°C)	А	25
	AC-4 (400V)	А	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)			
1 1 - ()	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	А	20
	48V	А	18
	75V	А	18
	110V	А	6
	220V	А	_
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	≤24V	А	23
	48V	А	23
	75V	А	23
	110V	А	16
	220V	А	1
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
•			
	≤24V	Α	23
	≤24V 48V	A A	23 23



BF2510D125 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 25A, DC COIL, 125VDC, 1NO AUXILIARY CONTACT

-POLE CONTACTOR, IEC OPERATING CURRENT IE (A	C3) =	25A, D	C COIL, 1	25VDC,
	1N0	D AUXI	LIARY CC	NTACT
220	V	А	12	

	220V	А	12
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	≤24V	А	_
	48V	А	_
	75V	А	_
	110V	А	_
	220V	A	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	≤24V	А	15
	48V	A	13
	75V	A	13
	110V	A	2
	220V	A	2 _
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series	220 V	Α	
TEC max current le in DC3-DC3 with L/K ≤ T5ms with 2 poles in series	≤24V	^	10
	≤24V 48V	A	18
		A	18
	75V	A	16
	110V	A	10
	220V	Α	2
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 3 poles in series			
	≤24V	A	22
	48V	А	22
	75V	А	18
	110V	А	15
	220V	А	8
IEC max current le in DC3-DC5 with L/R ≤ 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)	A	25
Making capacity (RMS value)		A	250
Breaking capacity at voltage		Α	200
Droaming odpaolity at voltage	440V	Λ	200
	440V 500V	A A	200 184
	690V	A	102
	090 v		
Resistance per pole (average value)		mΩ	2.5
Power dissipation per pole (average value)		147	
	Ith	W	2.6
	AC-3	W	1.6
Tightening torque for terminals			
	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

BF2510D125



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 25A, DC COIL, 125VDC, 1NO AUXILIARY CONTACT

BF2510D125

		max	lbin	0.74
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil	mov		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	Шал		0
	Tiexible C/Wildy conductor section	min	mm²	1
		max	mm²	4
	Flexible with insulated spade lug conductor section	Шах		T
	The shore with insulated space by conductor section	min	mm²	1
		max	mm²	4
		Шах		IP20 when
Power terminal prote	ction according to IEC/EN 60529			properly wired
Mechanical features				, , , ,
Operating position				
		normal		Vertical plan
		allowable		±30°
Fining				Screw / DIN rai
Fixing				35mm
Weight			g	500
Conductor section				
	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	;15			
		230V	А	3
		400V	А	1.9
		500V	Α	1.4
Operating current DC	212			
		110V	А	5.7
Operating current DC		110V	A	5.7
		24V	A A	5.7
		24V 48V		
		24V 48V 60V	А	5.7
		24V 48V 60V 110V	A A	5.7 2.9
		24V 48V 60V 110V 125V	A A A	5.7 2.9 2.3
		24V 48V 60V 110V 125V 220V	A A A A	5.7 2.9 2.3 1.25 1.1 0.55
Operating current DC		24V 48V 60V 110V 125V	A A A A	5.7 2.9 2.3 1.25 1.1
Operating current DC		24V 48V 60V 110V 125V 220V	A A A A A A	5.7 2.9 2.3 1.25 1.1 0.55 0.2
Operating current DC Operations Mechanical life		24V 48V 60V 110V 125V 220V	A A A A A A cycles	5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000
Operating current DC Operations Mechanical life Electrical life		24V 48V 60V 110V 125V 220V	A A A A A A	5.7 2.9 2.3 1.25 1.1 0.55 0.2
		24V 48V 60V 110V 125V 220V	A A A A A A cycles	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		24V 48V 60V 110V 125V 220V	A A A A A A cycles	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	213	24V 48V 60V 110V 125V 220V	A A A A A A cycles	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	213 10d according to EN/ISO 13489-1	24V 48V 60V 110V 125V 220V 600V	A A A A A A cycles cycles	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 Performance level B ²	213 10d according to EN/ISO 13489-1	24V 48V 60V 110V 125V 220V 600V	A A A A A A Cycles cycles	5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000 1200000 1200000

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



BF2510D125 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 25A, DC COIL, 125VDC,

1NO AUXILIARY CONTACT

				N/	405
DC rated control voltage	je			V	125
DC operating voltage	nick un				
	pick-up		min	%Us	70
			max	%Us	125
	drop-out		тах	/000	120
	arop 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			
			min	ms	10
			max	ms	20
		Closing NC			
			min	ms	14
		On online NO	max	ms	28
		Opening NC	min	ma	7
			max	ms ms	7 18
	in DC		IIIdA	1115	10
		Closing NO			
			min	ms	54
			max	ms	66
		Opening NO			
		513 5	min	ms	14
			max	ms	17
UL technical data					
Full-load current (FLA)	for three-phase AC r	notor			
			at 480V	А	21
			at 600V	А	17
Yielded mechanical pe	erformance				
	for single-phase AC	c motor			
			110/120V	HP	2
			230V	HP	3
	for three-phase AC	motor			
			200/208V	HP	7.5
			220/230V	HP	7.5
			460/480V	HP	15
0			575/600V	HP	15
General USE	0				
	Contactor			Δ	22
	Auxiliant easts sta		AC current	A	32
	Auxiliary contacts			V	600
			AC voltage AC current	V A	600 10
			AC current	~	10

BF2510D125

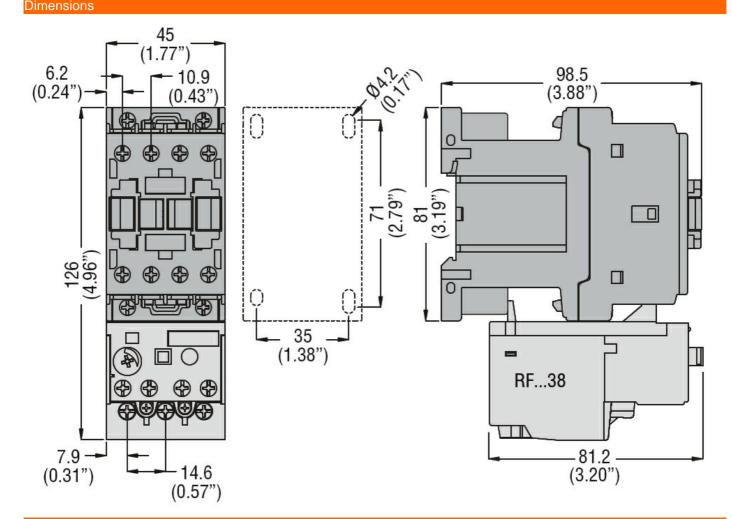
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



BF2510D125 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 25A, DC COIL, 125VDC,

1NO AUXILIARY CONTACT

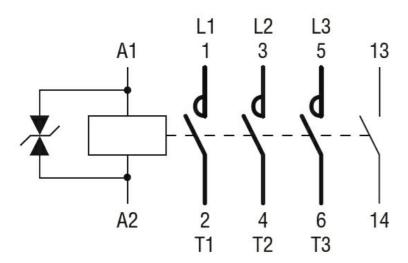
		DC voltage	V	250
		DC current	А	1
Short-circuit protect	tion fuse, 600V			
-	High fault			
	ů.	Short circuit current	kA	100
		Fuse rating	А	60
		Fuse class		J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	А	100
Contact rating of au	ixiliary contacts according to UL			A600 - P600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Prote	ection			
Pollution degree				3
Dimensions				



Wiring diagrams

BF2510D125





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

BF2510D125