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min max AC-1 (≤40°C) AC-1 (≤55°C) AC-1 (≤70°C) 3 (≤440V ≤55°C) AC-4 (400V) 230V 400V 415V 440V	Nr. V KV Hz Hz A A A A A A A KW kW kW	BF25 3 690 6 25 400 32 32 32 26 23 25 10 7 12.5
max AC-1 (≤40°C) AC-1 (≤55°C) AC-1 (≤70°C) 3 (≤440V ≤55°C) AC-4 (400V) 230V 400V 415V	V kV Hz A A A A A A KW kW	690 6 25 400 32 32 26 23 25 10 7
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max AC-1 (≤40°C) AC-1 (≤55°C) AC-1 (≤70°C) 3 (≤440V ≤55°C) AC-4 (400V) 230V 400V 415V	Hz A A A A A KW kW	400 32 32 26 23 25 10 7
AC-1 (≤40°C) AC-1 (≤55°C) AC-1 (≤70°C) 3 (≤440V ≤55°C) AC-4 (400V) 230V 400V 415V	A A A A A kW kW	32 32 26 23 25 10 7
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AC-1 (≤55°C) AC-1 (≤70°C) 3 (≤440V ≤55°C) AC-4 (400V) 230V 400V 415V	A A A kW kW	26 23 25 10 7
AC-1 (≤70°C) 3 (≤440V ≤55°C) AC-4 (400V) 230V 400V 415V	A A A kW kW	23 25 10 7
3 (≤440V ≤55°C) AC-4 (400V) 230V 400V 415V	A A kW kW	25 10 7
AC-4 (400V) 230V 400V 415V	A kW kW	10 7
230V 400V 415V	kW kW	7
400V 415V	kW	
400V 415V	kW	
415V		12.5
	k\\/	
440V	L A A	13.4
	kW	13.4
500V	kW	15
690V	kW	11
230V	kW	12
400V	kW	21
500V	kW	26
690V	kW	36
≤24V	А	20
48V	А	18
75V	А	18
110V	А	6
220V	А	-
≤24V	А	23
48V	А	23
75V	А	23
110V	А	16
220V	А	1
≤24V	А	23
		23
		23
75V		18
_	220V ≤24V 48V 75V 110V 220V	220V A ≤24V A 48V A 75V A 110V A 220V A ≤24V A 48V A 75V A

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BF2510A230 CONTACTEUR BF2510A, 3P+1NO, 25A AC3, 230V 50/60HZ

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

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Max number of wires	simultaneously connectable	max	Ibin Nr.	0.74
Conductor section	Sinditaneously connectable		INI.	2
	AWG/Kcmil			
		max		10
	Flexible w/o lug conductor section			
		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 prote	ction according to IEC/EN 60529			IP20 when
				properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rai
				35mm
Weight			g	358
Conductor section				
	AWG/kcmil conductor section			
		max		10
Auxiliary contact char	acteristics		•	4.0
Thermal current Ith			A	10
IEC/EN 60947-5-1 de	•		A	A600 - P600
	•			A600 - P600
IEC/EN 60947-5-1 de	•	230V	A	A600 - P600 3
IEC/EN 60947-5-1 de	•	400V	A A	A600 - P600 3 1.9
IEC/EN 60947-5-1 de Operating current AC	15		A	A600 - P600 3
IEC/EN 60947-5-1 de	15	400V 500V	A A A	A600 - P600 3 1.9 1.4
IEC/EN 60947-5-1 de Operating current AC Operating current DC	215	400V	A A	A600 - P600 3 1.9
IEC/EN 60947-5-1 de Operating current AC	215	400V 500V 110V	A A A A	A600 - P600 3 1.9 1.4 5.7
IEC/EN 60947-5-1 de Operating current AC Operating current DC	215	400V 500V 110V 24V	A A A A	A600 - P600 3 1.9 1.4 5.7 5.7
IEC/EN 60947-5-1 de Operating current AC Operating current DC	215	400V 500V 110V 24V 48V	A A A A A	A600 - P600 3 1.9 1.4 5.7 5.7 2.9
IEC/EN 60947-5-1 de Operating current AC Operating current DC	215	400V 500V 110V 24V 48V 60V	A A A A A A A	A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3
IEC/EN 60947-5-1 de Operating current AC Operating current DC	215	400V 500V 110V 24V 48V 60V 110V	A A A A A A A A	A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3 1.25
IEC/EN 60947-5-1 de Operating current AC Operating current DC	215	400V 500V 110V 24V 48V 60V 110V 125V	A A A A A A A A A A	A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1
IEC/EN 60947-5-1 de Operating current AC Operating current DC	215	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A	A600 - P600 3 1.9 1.4 5.7 5.7 5.7 2.9 2.3 1.25 1.1 0.55
IEC/EN 60947-5-1 de Operating current AC Operating current DC	215	400V 500V 110V 24V 48V 60V 110V 125V	A A A A A A A A A A	A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1
IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC	215	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A A A	A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2
IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operations Mechanical life	215	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A A Cycles	A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000
IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life	215	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A A A	A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2
IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	215	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A A Cycles	A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000
IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	215	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A A A Cycles cycles	A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000 1200000
IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	215 212 213 10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A A A Cycles cycles	A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000 1200000 1200000
IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B	215 212 213 10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A A A Cycles cycles	A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000 1200000 1200000 1200000
IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B	215 212 213 10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A A A Cycles cycles	A600 - P600 3 1.9 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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CONTACTEUR BF2510A, 3P+1NO, 25A AC3, 230V 50/60HZ



Rated AC voltage at 5	0/60Hz		V	230
AC operating voltage				
	of 50/60Hz coil powered at 50Hz pick-up			
	ρισκ-αρ	min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	55
	of 50/60Hz coil powered at 60Hz			
	pick-up		o (1 1	~ -
		min	%Us	85
	drop-out	max	%Us	110
	diop-out	min	%Us	20
		max	%Us	55
C average coil consu	Imption at 20°C		,	
<u> </u>	of 50/60Hz coil powered at 50Hz			
	•	in-rush	VA	75
		holding	VA	9
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	70
		holding	VA	6.5
	of 60Hz coil powered at 60Hz	in much		75
		in-rush	VA	75
		bolding		
Dissination at holding	<20°C 50Hz	holding	VA	9
	≤20°C 50Hz	holding	W W	9 2.5
Max cycles frequency	≤20°C 50Hz	holding	W	2.5
Nax cycles frequency Nechanical operation	≤20°C 50Hz	holding		2.5
Max cycles frequency Mechanical operation Dperating times		holding	W	2.5
Aax cycles frequency Aechanical operation Operating times	ontrol in AC	holding	W	2.5
Aax cycles frequency Aechanical operation Operating times	ontrol		W	2.5 3600
Aax cycles frequency Aechanical operation Operating times	ontrol in AC	min	W cycles/h ms	2.5 3600 8
Aax cycles frequency Aechanical operation Operating times	ontrol in AC Closing NO		W cycles/h	2.5 3600
Aax cycles frequency Aechanical operation Operating times	ontrol in AC	min max	W cycles/h ms ms	2.5 3600 8 24
Aax cycles frequency Aechanical operation Operating times	ontrol in AC Closing NO	min max min	W cycles/h ms ms ms	2.5 3600 8 24 10
Aax cycles frequency Aechanical operation Operating times	ontrol in AC Closing NO Opening NO	min max	W cycles/h ms ms	2.5 3600 8 24
Aax cycles frequency Aechanical operation Operating times	ontrol in AC Closing NO	min max min max	W cycles/h ms ms ms ms	2.5 3600 8 24 10 20
Aax cycles frequency Aechanical operation Operating times	ontrol in AC Closing NO Opening NO	min max min	W cycles/h ms ms ms	2.5 3600 8 24 10
Max cycles frequency Mechanical operation Dperating times	ontrol in AC Closing NO Opening NO	min max min max min	W cycles/h ms ms ms ms ms	2.5 3600 8 24 10 20 14
Max cycles frequency Mechanical operation Dperating times	ontrol in AC Closing NO Opening NO Closing NC	min max min max min	W cycles/h ms ms ms ms ms	2.5 3600 8 24 10 20 14
Ax cycles frequency Aechanical operation Operating times Average time for Us c	ontrol in AC Closing NO Opening NO Closing NC	min max min max min max	W cycles/h ms ms ms ms ms ms	2.5 3600 8 24 10 20 14 28
Max cycles frequency Mechanical operation Operating times Average time for Us c Average time for Us c	ontrol in AC Closing NO Opening NO Closing NC Opening NC	min max min max min max min max min	W cycles/h ms ms ms ms ms ms ms	2.5 3600 8 24 10 20 14 28 7
Max cycles frequency Mechanical operation Operating times Average time for Us c Average time for Us c	ontrol in AC Closing NO Opening NO Closing NC	min max min max min max min max	W cycles/h ms ms ms ms ms ms ms ms ms	2.5 3600 8 24 10 20 14 28 7 18
Max cycles frequency Mechanical operation Operating times Average time for Us c Average time for Us c	ontrol in AC Closing NO Opening NO Closing NC Opening NC	min max min max min max min max min max at 480V	W cycles/h ms ms ms ms ms ms ms ms	2.5 3600 8 24 10 20 14 28 7 18 21
	ontrol in AC Closing NO Opening NO Closing NC Opening NC	min max min max min max min max	W cycles/h ms ms ms ms ms ms ms ms ms	2.5 3600 8 24 10 20 14 28 7 18
Max cycles frequency Mechanical operation Operating times Average time for Us c Average time for Us c	ontrol in AC Closing NO Opening NO Closing NC Opening NC of or three-phase AC motor	min max min max min max min max min max at 480V	W cycles/h ms ms ms ms ms ms ms ms	2.5 3600 8 24 10 20 14 28 7 18 21
Max cycles frequency Mechanical operation Operating times Average time for Us c Average time for Us c JL technical data Full-load current (FLA	ontrol in AC Closing NO Opening NO Closing NC Opening NC	min max min max min max min max at 480V at 600V	W cycles/h ms ms ms ms ms ms ms as as as	2.5 3600 8 24 10 20 14 28 7 18 21 17
Max cycles frequency Mechanical operation Operating times Average time for Us c Average time for Us c JL technical data Full-load current (FLA	ontrol in AC Closing NO Opening NO Closing NC Opening NC of or three-phase AC motor	min max min max min max min max min max at 480V at 600V	W cycles/h ms ms ms ms ms ms ms hP	2.5 3600 8 24 10 20 14 28 7 18 21 17 2
Max cycles frequency Mechanical operation Operating times Average time for Us c Average time for Us c JL technical data Full-load current (FLA	ontrol in AC Closing NO Opening NO Closing NC Opening NC of or three-phase AC motor	min max min max min max min max at 480V at 600V	W cycles/h ms ms ms ms ms ms ms as as as	2.5 3600 8 24 10 20 14 28 7 18 21 17

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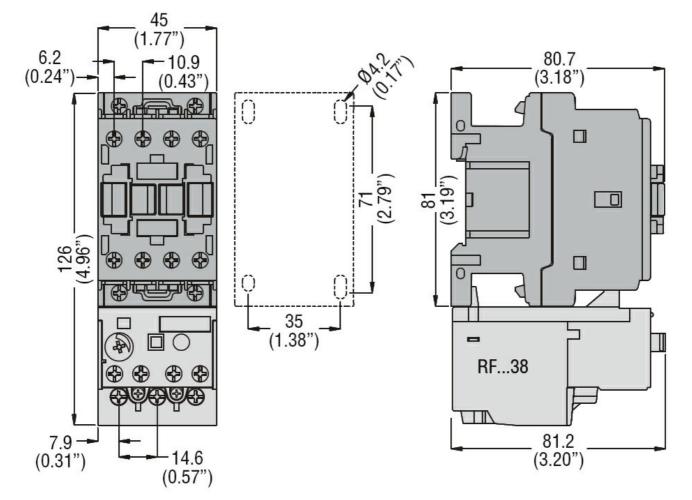
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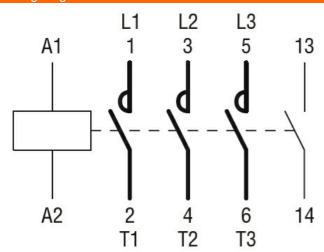
BF2510A230 CONTACTEUR BF2510A, 3P+1NO, 25A AC3, 230V 50/60HZ

		220/230V	HP	7.5
		460/480V	HP	15
		575/600V	HP	15
General USE				
	Contactor			
		AC current	А	32
	Auxiliary contacts			
		AC voltage	V	600
		AC current	А	10
		DC voltage	V	250
		DC current	Α	1
Short-circuit protect	tion 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	Α	100
Contact rating of au Ambient conditions	uxiliary contacts according to UL			A600 - P600
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





Wiring diagrams



Certifications and 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
The ch	prostariation described in this desument are subject to undated or modifications at any time. The descriptions, technical and



	cULus	
	EAC	
TIM classification		
		FC000066

ETIM 8.0

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EC000066 -Power contactor, AC switching