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Product designation Product type designation		Power contactor BF150
Contact characteristics		
Number of poles	Nr.	4
Rated insulation voltage Ui IEC/EN	V	1000
Rated impulse withstand voltage Uimp	kV	8
Operational frequency		
min	Hz	25
max	Hz	400
IEC Conventional free air thermal current Ith	А	165
Operational current le		
AC-1 (≤40°C)	А	165
AC-1 (≤55°C)	А	135
AC-1 (≤70°C)	А	118
AC-3 (≤440V ≤55°C)	А	150
AC-4 (400V)	Α	70
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series		
≤24V	А	165
48V	А	165
75V	А	150
110V	А	10
220V	А	-
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series		
≤24V	А	165
48V	А	165
75V	А	165
110V	А	150
220V	А	14
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series		
≤24V	А	165
48V	А	165
75V	А	165
110V	А	160
220V	Α	150
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series		
≤24V	А	165
48V	А	165
75V	А	165
110V	А	165
220V	А	165
IEC max current le in DC3-DC5 with L/R \leq 15ms with 1 poles in series		
≤24V	А	165
48V	А	60
75V	А	44
110V	А	6

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BF150T4A230 CONTACTEUR BF150T4A, 4P (NO), 165A AC1, 230V 50/60HZ

	220V	А	_
EC max current le in DC3-DC5 with L/R \leq 15ms with 2 poles in series			
	≤24V	А	165
	48V	А	82
	75V	А	70
	110V	Α	80
	220V	Α	7
EC max current le in DC3-DC5 with L/R \leq 15ms with 3 poles in series			
	≤24V	А	165
	48V	А	195
	75V	Α	110
	110V	А	120
	220V	А	120
EC max current le in DC3-DC5 with L/R \leq 15ms with 4 poles in series			
	≤24V	А	165
	48V	А	130
	75V	A	130
	110V	A	150
	220V	A	150
Short-time allowable current for 10s (IEC/EN60947-1)	2207	A	1200
Protection fuse			.200
	gG (IEC)	А	250
	aM (IEC)	A	160
Making consoity (PMS value)		A	1500
Making capacity (RMS value)		A	1500
Breaking capacity at voltage	4.401/	•	4000
	440V	A	1200
	500V	A	1025
	690V	A	905
Resistance per pole (average value)		mΩ	0.45
Power dissipation per pole (average value)			
	Ith	W	12
	AC3	W	10.1
Tightening torque for terminals			
	min	Nm	6
	max	Nm	7
	min	lbin	4.4
	max	lbin	5.2
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	Ibin	0.59
	max	Ibin	0.74
Conductor section	max		·
AWG/Kcmil			
	max		2/0
Elovible w/e lug conductor costion	max		210
Flexible w/o lug conductor section		mm ²	1 5
	min	mm²	1.5
	max	mm²	70
Flexible c/w lug conductor section		~	
	min	mm²	1.5
	max	mm²	70
Power terminal protection according to IEC/EN 60529			IP20 front

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Operating position

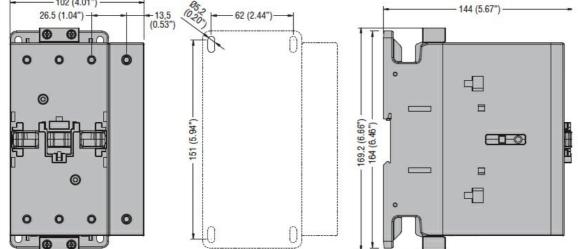
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight			g	2420
Conductor section				
	AWG/kcmil conductor section			
		max		2/0
Operations				
Mechanical life			cycles	15000000
Electrical life			cycles	800000
Safety related data				
EMC compatibility				yes
AC coil operating				
Rated AC voltage at	50/60Hz		V	230
AC operating voltage	9			
	of 50/60Hz coil powered at 50Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	55
	of 50/60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	85
		max	%Us	110
	drop-out			
		min	%Us	40
		max	%Us	55
AC average coil con	sumption at 20°C			
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	300
		holding	VA	20
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	275
		holding	VA	17
	of 60Hz coil powered at 60Hz			
		in-rush	VA	300
		holding	VA	20
Dissipation at holding	g ≤20°C 50Hz		W	6.5
Max cycles frequenc	y			
Mechanical operation	1		cycles/h	1500
Operating times				
Average time for Us	control			
-	in AC			
	Closing NO			
	Ŭ	min	ms	45
		max	ms	32
	Opening NO			
		min	ms	9
		max	ms	24

BF150T4A230 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

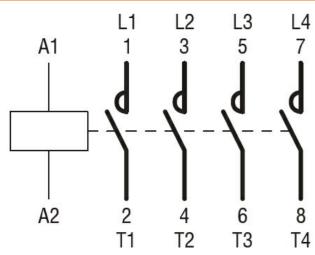


General USE

	Contactor			
		AC current	Α	165
Short-circuit prote	ction fuse, 600V			
	High fault			
	-	Short circuit current	kA	100
		Fuse rating	А	200
		Fuse class		J
	Standard fault			
		Short circuit current	kA	10
		Fuse rating	А	250
		Fuse class		RK5
Ambient condition	S			
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Dimensions [mm (in)]			
102 (4.01") —				
26 5 (1 04")			-	



Wiring diagrams





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		
		EC000066 -

ETIM 8.0

EC000066 -Power contactor, AC switching