



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
Rated operational current AC-3 (T≤55°C)			
	230V	А	150
	400V	А	150
	415V	А	150
	440V	А	150
	500V	А	128
	690V	А	113
	1000V	A	51
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	A	10
	220V	A	-
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	≤24V	A	165
	48V	А	165
	75V	А	165
	110V	А	150
	220V	A	14
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series		_	
	≤24V	A	165
	48V	A	165
	75V	A	165
	110V	A	160
	220V	A	150
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series	.	-	
	≤24V	A	165
	48V	А	165



BF150T4A02460 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 165A, AC COIL 60HZ, 24VAC

	75V	А	165
	110V	А	165
	220V	Α	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
	220V	А	-
IEC 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	А	80
	220V	Α	7
IEC max current le in DC3-DC5 with L/R \leq 15ms with 3 poles in series			
	≤24V	А	165
	48V	А	195
	75V	А	110
	110V	А	120
	220V	Α	120
IEC max current le in DC3-DC5 with L/R \leq 15ms with 4 poles in series			
	≤24V	А	165
	48V	А	130
	75V	А	130
	110V	А	150
	220V	Α	150
Short-time allowable current for 10s (IEC/EN60947-1)		Α	1200
Protection fuse			
	gG (IEC)	А	250
	aM (IEC)	Α	160
Making capacity (RMS value)		Α	1500
Breaking capacity at voltage			
	440V	А	1200
	500V	А	1025
	690V	Α	905
Resistance per pole (average value)		mΩ	0.45
Power dissipation per pole (average value)			
	lth	W	12
	AC-3	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	lbin	0.59
	max	lbin	0.74
Conductor section			
AWG/Kcmil			
	max		2/0

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BF150T4A02460 FOUR-POLE CONTACTOR JEC OPERATING CURRENT ITH (AC1) = 165A AC COIL 60HZ

electric	FOUR-POLE CONTACTOR, IEC OPERATING	5 CURRENT TH (AU	- 10: 10:	
ENERGY AND AUTOMATION				24VAC
	Flexible w/o lug conductor section			
	0	min	mm²	1.5
		max	mm²	70
	Flexible c/w lug conductor section			
		min	mm²	1.5
		max	mm²	70
Power terminal prote	ction according to IEC/EN 60529			IP20 front
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail

Weight

Fixing

Conductor section

AWG/kcmil conductor section

	max	2/0
Operations		
Mechanical life	cycle	s 15000000
Electrical life	cycle	s 800000
Safety related data		
EMC compatibility		yes
AC coil operating		
Rated AC voltage at 60Hz	V	24
AC operating voltage		
of 50/60Hz coil powered at 50Hz		
drop-out		
	max %Us	55
of 60Hz coil powered at 60Hz		
pick-up		
	min %Us	80

%Us 110 max drop-out %Us 20 min 55 %Us max AC average coil consumption at 20°C of 60Hz coil powered at 60Hz 300 in-rush VA holding VA 20 Dissipation at holding ≤20°C 50Hz W 6.5

Max cycles frequency				
Mechanical operation		(cycles/h	1500
Operating times				
Average time for Us control				
in AC				
	Closing NO			
		min	ms	45
		max	ms	32
	Opening NO			
		min	ms	9
		max	ms	24
UL technical data				

35mm

2420

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ENERGY AND AUTOMATION

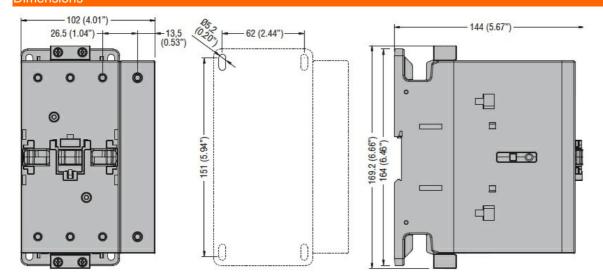
FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 165A, AC COIL 60HZ, 24VAC

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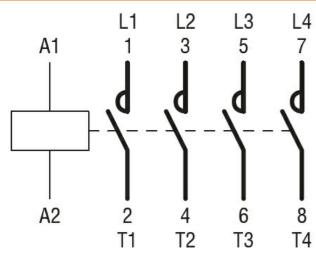
AC current A 165 Short-circuit protection fuse, 600V High fault Short circuit current kA 100 Fuse rating A 200 Fuse class J Standard fault

	Standard fault			
		Short circuit current	kA	10
		Fuse rating	А	250
		Fuse class		RK5
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000

Dimensions



Wiring diagrams



Certifications and compliance Compliance

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	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		
	000	
	cULus	
	EAC	
ETIM classification		
		EC000066 -

ETIM 8.0

EC000066 -Power contactor, AC switching