



Product type designation Contact characteristics Jumber of poles Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operational frequency EC Conventional free air thermal current Ith Operational current le	min max	Nr. V kV Hz	BFD150 4 1000 8
Aumber of poles Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operational frequency EC Conventional free air thermal current Ith		V kV Hz	1000 8
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Rated impulse withstand voltage Uimp Operational frequency EC Conventional free air thermal current Ith		kV Hz	8
Dperational frequency EC Conventional free air thermal current Ith		Hz	
EC Conventional free air thermal current Ith			
	max		25
		Hz	400
Operational current le		А	165
	AC-1 (≤40°C)	А	160
EC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	400V	А	165
	600V	А	165
	800V	А	125
	1000V	А	100
Short-time allowable current for 10s (IEC/EN60947-1)		А	1200
Protection fuse			
	gG (IEC)	А	250
	aM (IEC)	А	160
Resistance per pole (average value)	. ,	mΩ	0.45
Power dissipation per pole (average value)			
	lth	W	12
ightening torque for terminals			
· · · · · · · · · · · · · · · · · · ·	min	Nm	6
	max	Nm	7
	min	Ibin	4.4
	max	Ibin	5.2
ightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	Ibin	0.59
	max	Ibin	0.74
lax number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	max		2/0
Flexible w/o lug conductor section	тах		2,0
	min	mm²	1.5
	max	mm²	70
Flexible c/w lug conductor section	Παλ		
TIEXINE OF WIND CONDUCTOR SECTION	min	mm²	1.5
	max	mm²	70
Power terminal protection according to IEC/EN 60529	Παλ	11111	IP20 front



Mechanical features

Operating position		
	normal	Vertical plan
	allowable	±30°
Fixing		Screw / DIN rail
		35mm
Weight	g	2460
Conductor section		

AWG/kcmil conductor section

	AWG/kcmil conductor section			
		max		2/0
Operations				
Mechanical life			cycles	15000000
Safety related data			-	
EMC compatibility				yes
AC coil operating				y
Rated AC voltage at 5	0/60Hz 60Hz			
rated no vehage are		min	V	100
		max	v	250
AC operating voltage		Шал	v	200
AC operating voltage	of EQ/COLLE and nowared at EQUE			
	of 50/60Hz coil powered at 50Hz			
	pick-up		0/11-	
		min	%Us	80 Us min
		max	%Us	110 Us max
	drop-out			
		min	%Us	20
		max	%Us	≤70 Us min
	of 50/60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	80 Us min
		max	%Us	110 Us max
	drop-out			
		min	%Us	20
		max	%Us	≤70 Us min
AC average coil consu	umption at 20°C			
Ū	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	70175
		holding	VA	1.73.5
	of 50/60Hz coil powered at 60Hz	nording		
		in-rush	VA	70175
		holding	VA VA	1.73.5
	of 60Hz coil powered at 60Hz	noiuing	۷A	1.1
	of 60Hz coil powered at 60Hz		1/4	70 175
		in-rush	VA	70175
		holding	VA	1.73.5
Dissipation at holding	≤20°C 50HZ		W	1.31,5
DC coil operating				
DC rated control voltage	ge			
		min	V	100
		max	V	250
DC operating voltage				
	pick-up			
		min	%Us	80 Us min
		max	%Us	110 Us max
	drop-out			
		max	%Us	≤70 Us min
		max	,	

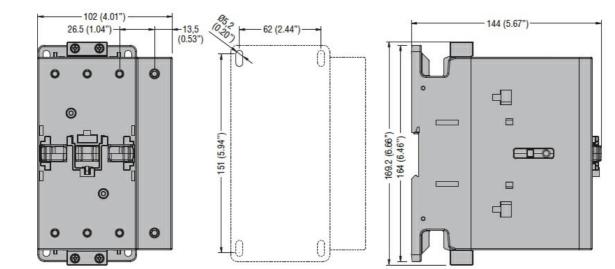
BFD150T4E230 The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



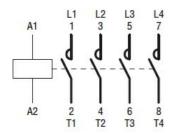
BFD150T4E230 CONTACTEUR BFD150T4A, 4P (NO), 100A/1000V DC1, 100-250VAC/DC

Average coil consump	tion ≤20°C				
			in-rush	W	7080
			holding	W	1.31.5
Max cycles frequency					
Mechanical operation				cycles/h	2000
Operating times					
Average time for Us co	ontrol				
	in AC				
		Closing NO			
			min	ms	45
			max	ms	40
		Opening NO			
			min	ms	24
			max	ms	60
	in DC				
		Closing NO			
			min	ms	45
			max	ms	90
		Opening NO			
			min	ms	24
			max	ms	60
UL technical data					
General USE					
	Contactor				
			AC current	A	165
	4 poles in series DC1				
			600V	А	165
Ambient conditions					
Temperature	_				
	Operating temperatur	e			
			min	°C	-40
			max	°C	70
	Storage temperature				
			min	°C	-50
			max	°C	80
Max altitude				m	3000
Resistance & Protection	on				
Pollution degree					3
Dimensions [mm (in)]					





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

cULus

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching