



Product designation Power contactor BF150 Number of poles Nr. 4 Rated insulation voltage Ui IEC/EN V 1000 Rated insulation voltage Ui IEC/EN V 1000 Rated insulation voltage Uimp KV 8 Operational frequency min Hz 25 max H2 400 IEC Conventional free air thermal current lth A 165 Operational current le AC-1 (≤40°C) A 165 AC-1 (≤40°C) A 150 AC-1 (≤40°C) A 150 AC-3 (≤440V >55°C) A 150 AC-4 (400V) A 150 AC-3 (≤440V >55°C) A 150 AC-4 (400V) A 150 AC-3 (≤440V >55°C) A 150 AC-4 (400V) A 150 AUOV A 150 AUOV A 150 440V A 150 AUOV A 150 400V A 150 AUOV A 150				
Contact characteristics Nr. 4 Number of poles Nr. 4 Rated insulation voltage UI IEC/EN V 1000 Rated insulation voltage UIImp kV 8 Operational frequency min Hz 25 max Hz 400 165 Operational frequency min Hz 25 max Hz 400 165 Operational current le AC-1 (≤40°C) A 165 AC-1 (≤55°C) A 135 AC-1 (≤40°C) A 150 AC-3 (≤440V S55°C) A 150 AC-4 (400V) A 150 AC-4 (400V) A 150 AC-4 (400V) A 150 416V A 150 A0V A 150 400V A 150 A0V A 150 400V A 150 A0V A 150 40V A 150 A0V A 128	Product designation			Power contactor
Number of poles Nr. 4 Rated insulation voltage Ui IEC/EN V 1000 Rated insulation voltage Uimp kV 8 Operational frequency min Hz 25 max Hz 400 165 Operational free air thermal current lth A 165 Operational current le AC-1 (≤40°C) A 165 AC-1 (≤40°C) A 165 165 AC-1 (≤55°C) A 135 160 AC-3 (≤400V) A 150 160 AC-4 (400V) A 150 160 440V A 150 150 440V A 150 150 440V A 150 150 400V KW 62 100 400V KW 165 165 </td <td>Product type designation</td> <td></td> <td></td> <td>BF150</td>	Product type designation			BF150
Rated insulation voltage Uirp V 1000 Rated inpulse withstand voltage Uirp kV 8 Operational frequency min Hz 25 max Hz 400 165 Operational frequency A 165 Operational current le A 165 Operational current le AC-1 (s40°C) A 165 AC-1 (s70°C) A 118 AC-3 (s440V s55°C) A 150 AC-3 (s440V s55°C) A 150 AC-4 (400V) A 70 Rated operational current AC-3 (T≤55°C) 230V A 150 440V A 150 415V A 150 440V A 150 440V A 150 440V A 150 500V A 113 100V A 151 Rated operational power AC-1 (TS40°C) 230V KW 62 400V KW 165 1000V A 165 75V A 165 <td>Contact characteristics</td> <td></td> <td></td> <td></td>	Contact characteristics			
Rated impulse withstand voltage Uimp kV 8 Operational frequency min Hz 25 max Hz 400 IEC Conventional free air thermal current lth A 165 Operational current le AC-1 (≤40°C) A 165 AC-1 (≤55°C) A 135 AC-1 (≤55°C) A 150 AC-3 (≤440V) ≤55°C) A 150 AC-4 (400V) A 70 Rated operational current AC-3 (T≤55°C) 230V A 150 440V A 150 440V A 150 440V A 150 440V A 150 440V A 150 440V A 150 440V A 150 1000V A 150 440V A 150 440V A 150 1000V A 131 1000V A 165 75V A 165 10V 40V A 165 75V A 165	Number of poles		Nr.	4
Rated impulse withstand voltage Uimp kV 8 Operational frequency min Hz 25 max Hz 400 IEC Conventional free air thermal current lth A 165 Operational current le AC-1 (≤40°C) A 165 AC-1 (≤55°C) A 135 AC-1 (≤55°C) A 150 AC-3 (≤440V) ≤55°C) A 150 AC-4 (400V) A 70 Rated operational current AC-3 (T≤55°C) 230V A 150 440V A 150 440V A 150 440V A 150 440V A 150 440V A 150 440V A 150 440V A 150 1000V A 150 440V A 150 440V A 150 1000V A 131 1000V A 165 75V A 165 10V 40V A 165 75V A 165	Rated insulation voltage Ui IEC/EN		V	1000
min Hz 25 Hz Max Hz 400 IEC Conventional free air thermal current lth A 165 Operational current le AC-1 (\$40°C) A 165 AC-1 (\$55°C) A 135 AC-1 (\$55°C) A 135 AC-3 (\$440V \$55°C) A 150 AC-4 (400V) A 70 Rated operational current AC-3 (T≤55°C) 230V A 150 400V A 150 440V A 150 440V A 150 440V A 150 500V A 128 690V A 113 1000V A 51 Rated operational power AC-1 (T≤40°C) 230V KW 62 40V KW 187 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series \$24V A 165 75V A 165 48V A 165 75V A 165 75V A 165 48V A			kV	8
min Hz 25 Hz Max Hz 400 IEC Conventional free air thermal current lth A 165 Operational current le AC-1 (\$40°C) A 165 AC-1 (\$55°C) A 135 AC-1 (\$55°C) A 135 AC-3 (\$440V \$55°C) A 150 AC-4 (400V) A 70 Rated operational current AC-3 (T≤55°C) 230V A 150 400V A 150 440V A 150 440V A 150 440V A 150 500V A 128 690V A 113 1000V A 51 Rated operational power AC-1 (T≤40°C) 230V KW 62 40V KW 187 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series \$24V A 165 75V A 165 48V A 165 75V A 165 75V A 165 48V A	Operational frequency			
max Hz 400 Derational current le A 165 Operational current le AC-1 (s50°C) A 165 AC-1 (s55°C) A 135 AC-1 (s50°C) A 150 AC-3 (s400V) A 70 To To To Rated operational current AC-3 (T≤55°C) A 150 AC-4 (400V) A 150 400V A 150 AC-4 (400V) A 150 AC-4 (400V) A 150 400V A 150 AC-4 (400V) A 150 AC-4 (400V) A 150 400V A 150 AC-4 (400V) A 150 AC-4 (400V) A 150 440V A 150 AC-4 (400V) A 150 AC-4 (40V) A 150 1000V A 150 AC-4 (40V) A 160 AC-4 (40V) A 160 AC-4 (40V) A 160 AC-4 (40V) A 160 AC-4 (40V)<		min	Hz	25
Operational current le AC-1 (≤40°C) A 165 AC-1 (≤55°C) A 135 AC-1 (≤70°C) A 118 AC-3 (≤440V ≤55°C) A 150 AC-4 (400V) A 70 Rated operational current AC-3 (T≤55°C) 230V A 150 400V A 150 400V A 150 415V A 150 415V A 150 416V A 150 440V A 150 500V A 128 680V A 113 1000V A 51 Rated operational power AC-1 (T≤40°C) 230V kW 62 400V kW 10 1000V A 51 100V KW 62 400V kW 136 690V kW 187 185 187 185 110V A 165 1EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 165 110V A 165				
Operational current le AC-1 (≤40°C) A 165 AC-1 (≤40°C) A 135 AC-1 (≤55°C) A 135 AC-3 (≤440V ≤55°C) A 150 AC-4 (400V) A 70 Rated operational current AC-3 (T≤55°C) 230V A 150 400V A 150 400V A 150 415V A 150 440V A 150 416V A 150 440V A 150 500V A 128 690V A 113 1000V A 51 Rated operational power AC-1 (T≤40°C) 230V kW 62 400V kW 10 1000V A 51 100V KW 136 690V kW 187 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series 524V A 165 48V A 165 110V A 10 220V A 165 110V A 165 <td>IEC Conventional free air thermal current Ith</td> <td></td> <td>А</td> <td>165</td>	IEC Conventional free air thermal current Ith		А	165
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Operational current le			
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	'	AC-1 (≤40°C)	А	165
$\begin{array}{cccccccccccccccccccccccccccccccccccc$				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				
AC-4 (400V) A 70 Rated operational current AC-3 (T≤55°C) 230V A 150 400V A 150 415V A 150 415V A 150 440V A 150 500V A 128 690V A 113 1000V A 51 51 Rated operational power AC-1 (T≤40°C) 230V kW 62 230V kW 62 400V kW 187 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series 224V A 165 48V A 165 75V A 150 110V A 10 220V A – IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 165 48V A 165 10V A 165 75V A 165 110V A 150 110V A 165 120 220V A 165 120V A 165 100 220V <td></td> <td></td> <td></td> <td></td>				
Rated operational current AC-3 (T≤55°C) 230V A 150 400V A 150 440V A 150 440V A 150 500V A 128 690V A 113 1000V A 51 Rated operational power AC-1 (T≤40°C) 230V kW 62 400V kW 110 500V kW 136 690V kW 187 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 165 48V A 165 110V A 10 220V A - 10 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 165 48V A 165 110V A 165 110V A 150 220V A 165 110V A 150 220V A 165 110V A 150 220V				
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Rated operational current AC-3 (T≤55°C)	· · · · · · · · · · · · · · · · · · ·		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		230V	А	150
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		440V	А	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		500V	А	
Rated operational power AC-1 (T≤40°C)230VkW62400VkW110500VkW136690VkW187IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\leq 24V$ A16548VA16575VA150110VA10220VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24V$ A16548VA16575VA165110VA165110VA150220VA14165110VA150220VA1416516548VA165110VA150220VA14IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A165120VA1416516548VA16548V <t< td=""><td></td><td>690V</td><td>А</td><td>113</td></t<>		690V	А	113
$\begin{array}{c} 230 \vee k \mathbb{W} 62 \\ 400 \vee k \mathbb{W} 110 \\ 500 \vee k \mathbb{W} 136 \\ 690 \vee k \mathbb{W} 187 \end{array}$ IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\begin{array}{c} \leq 24 \vee A 165 \\ 48 \vee A 165 \\ 75 \vee A 150 \\ 110 \vee A 10 \\ 220 \vee A - \end{array}$ IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\begin{array}{c} \leq 24 \vee A 165 \\ 48 \vee A 165 \\ 75 \vee A 165 \\ 48 \vee A 165 \\ 75 \vee A 165 \\ 110 \vee A 150 \\ 220 \vee A 14 \end{array}$ IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\begin{array}{c} \leq 24 \vee A 165 \\ 110 \vee A 150 \\ 220 \vee A 14 \end{array}$		1000V	А	51
$\begin{array}{c} 400 \lor kW & 110 \\ 500 \lor kW & 136 \\ 690 \lor kW & 187 \end{array}$ IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\begin{array}{c} \leq 24 \lor & A & 165 \\ 48 \lor & A & 165 \\ 75 \lor & A & 150 \\ 110 \lor & A & 10 \\ 220 \lor & A & - \end{array}$ IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\begin{array}{c} \leq 24 \lor & A & 165 \\ 48 \lor & A & 165 \\ 220 \lor & A & - \end{array}$ IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\begin{array}{c} \leq 24 \lor & A & 165 \\ 48 \lor & A & 165 \\ 75 \lor & A & 165 \\ 110 \lor & A & 150 \\ 220 \lor & A & 14 \end{array}$ IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\begin{array}{c} \leq 24 \lor & A & 165 \\ 110 \lor & A & 150 \\ 220 \lor & A & 14 \end{array}$	Rated operational power AC-1 (T≤40°C)			
$ \begin{array}{c c} 500 \lor kW & 136 \\ 690 \lor kW & 187 \end{array} \\ \hline \begin{tabular}{lllllllllllllllllllllllllllllllllll$		230V	kW	62
$\begin{tabular}{ c c c c c } \hline & & & & & & & & & & & & & & & & & & $		400V	kW	110
IEC max current le in DC1 with L/R < 1ms with 1 poles in series		500V	kW	136
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		690V	kW	187
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
$\begin{array}{c cccc} 75 & A & 150 \\ 110 & A & 10 \\ 220 & A & - \end{array}$ IEC max current le in DC1 with L/R \leq 1ms with 2 poles in series $\begin{array}{c ccccccccccccccccccccccccccccccccccc$		≤24V	А	165
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		48V	А	165
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		75V	А	150
IEC max current le in DC1 with L/R < 1ms with 2 poles in series		110V	А	10
$ \begin{array}{c cccc} \leq 24 \ensuremath{\mathbbmat}\mathbbmath{\mathbbmath{\mathbbmath{\mathbbmat}\mathbbmath{\mathbbmath{\mathbbmat}\mathbbmath{\mathbbmath{\mathbbmat}\mathbbmath{\mathbbmath{\mathbbmat}\mathbbmath{\mathbbmath{\mathbbmat}\mathbbmath{\mathbbmath{\mathbbmat}\mathbbmath{\mathbbmat}\mathbbmath{\mathbbmath{\mathbbmat}\mathbbmath{\mathbbmat}\mathbbmath{\mathbbmat}\mathbbmath{\mathbbmat}\math{\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\math{\mat}\math{\mat}\math{\mat}\math{\mathbbmat}\math{\mathbbmat}\math{\mat}\math{\mat}\math{\mat}\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\math{\mat}\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\math{\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\math{\math{\mathbbmat}\math{\mathbbmat}\math{\math{\mathbbmat}\mat&\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\math{\mathbbmat}\mathbbma$		220V	А	-
$ \begin{array}{cccc} 48 \mbox{V} & \mbox{A} & 165 \\ 75 \mbox{V} & \mbox{A} & 165 \\ 110 \mbox{V} & \mbox{A} & 150 \\ 220 \mbox{V} & \mbox{A} & 14 \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ & \mbox{\le 24 \mbox{V} & \mbox{A} & 165 \\ & \mbox{$48 \mbox{V} & \mbox{A} & 165 \end{array} } \end{array} $	IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
$\begin{array}{cccc} 75 & A & 165 \\ 110 & A & 150 \\ 220 & A & 14 \end{array}$ IEC max current le in DC1 with L/R < 1ms with 3 poles in series $\begin{array}{cccc} \leq 24 & A & 165 \\ 48 & A & 165 \end{array}$		≤24V	А	165
$\begin{tabular}{ccc} 110V & A & 150 \\ 220V & A & 14 \end{tabular} \end{tabular}$ IEC max current le in DC1 with L/R < 1ms with 3 poles in series $\begin{tabular}{ccc} \leq 24V & A & 165 \\ 48V & A & 165 \end{tabular} \end{tabular}$		48V	А	165
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$		75V	А	165
IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series $\leq 24V$ A 165 48V A 165		110V	А	150
≤24V A 165 48V A 165		220V	А	14
≤24V A 165 48V A 165	IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
48V A 165		≤24V	А	165
		48V		
		75V	А	165



BF150T4E230 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 160A, AC/DC COIL, 230VAC/DC

110V

160

А

	220V	A	150	
IEC max current le in DC1 with L/R ≤ 1ms 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 ≤ 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 ≤ 15ms with 2 poles in series				
•	≤24V	А	165	
	48V	А	82	
	75V	A	70	
	110V	A	80	
	220V	A	7	
IEC max current le in DC3-DC5 with L/R \leq 15ms with 3 poles in series	·			
	≤24V	А	165	
	48V	A	195	
	75V	A	110	
	110V	A	120	
	220V	A	120	
IEC max current le in DC3-DC5 with L/R \leq 15ms with 4 poles in series				
	≤24V	А	165	
	48V	A	130	
	75V	A	130	
	110V	A	150	
	220V	A	150	
Short-time allowable current for 10s (IEC/EN60947-1)		A	1200	
Protection fuse				
	gG (IEC)	А	250	
	aM (IEC)	A	160	
Making capacity (RMS value)		A	1500	
Breaking capacity at voltage				
	440V	А	1200	
	500V	A	1025	
	690V	A	905	
Resistance per pole (average value)	0001	mΩ	0.45	
Power dissipation per pole (average value)		11132	0.70	
i onoi alcolpation poi polo (avolago valuo)	lth	W	12	
	AC-3	W	10.1	
Tightening torque for terminals	AC 3	V V	10.1	
	min	Nm	6	
	max	Nm	7	
	min	Ibin	7 35.4	
	max	Ibin	44.3	
Tightening torque for coil terminal	тал	1011	1 1.0	
	min	Nm	0.8	
	max	Nm	1	
	max			

BF150T4E230



FOUR-POLE CONTACTOR, IEC OPERATING CURR

	BF150T4E230
RENT ITH (AC1) = 1	160A, AC/DC COIL,
	230VAC/DC

		min	Ibin	0.59
		max	Ibin	0.74
Max number of wires s	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		max		2/0
	Flexible w/o lug conductor section			
		min	mm²	1.5
	Elevible e/w lue conductor contion	max	mm²	70
	Flexible c/w lug conductor section	min	mm²	1.5
		max	mm²	70
Power terminal protec	ction according to IEC/EN 60529	max		IP20 front
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail
				35mm
Weight			g	2460
Conductor section	AMC/kepil enductor continu			
	AWG/kcmil conductor section	max		2/0
		IIIdA		2/0
Operations				
Operations Mechanical life			cvcles	15000000
Mechanical life			cycles cycles	15000000 800000
Mechanical life Electrical life			cycles cycles	15000000 800000
Mechanical life Electrical life Safety related data	0d according to EN/ISO 13489-1			
Mechanical life Electrical life Safety related data	0d according to EN/ISO 13489-1	rated load		
Mechanical life Electrical life Safety related data Performance level B10	0d according to EN/ISO 13489-1 ing to IEC/EN 609474-4-1	rated load	cycles	800000
Mechanical life Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility		rated load	cycles	800000 800000
Mechanical life Electrical life Safety related data Performance level B1 Mirror contats accordin EMC compatibility AC coil operating	ing to IEC/EN 609474-4-1	rated load	cycles	800000 800000 yes
Mechanical life Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility	ing to IEC/EN 609474-4-1		cycles cycles	800000 800000 yes yes
Mechanical life Electrical life Safety related data Performance level B1 Mirror contats accordin EMC compatibility AC coil operating	ing to IEC/EN 609474-4-1	min	cycles cycles V	800000 800000 yes yes 100
Mechanical life Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating Rated AC voltage at 5	ing to IEC/EN 609474-4-1		cycles cycles	800000 800000 yes yes
Mechanical life Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating Rated AC voltage at 5	ing to IEC/EN 609474-4-1 50/60Hz, 60Hz	min	cycles cycles V	800000 800000 yes yes 100
Mechanical life Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating Rated AC voltage at 5	ing to IEC/EN 609474-4-1 50/60Hz, 60Hz of 50/60Hz coil powered at 50Hz	min	cycles cycles V	800000 800000 yes yes 100
Mechanical life Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating Rated AC voltage at 5	ing to IEC/EN 609474-4-1 50/60Hz, 60Hz	min max	cycles cycles V V	800000 800000 yes yes 100 250
Mechanical life Electrical life Safety related data Performance level B1 Mirror contats accordin EMC compatibility AC coil operating	ing to IEC/EN 609474-4-1 50/60Hz, 60Hz of 50/60Hz coil powered at 50Hz	min max min	cycles cycles V V V	800000 800000 yes yes 100 250 80 Us min
Mechanical life Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating Rated AC voltage at 5	ing to IEC/EN 609474-4-1 i0/60Hz, 60Hz of 50/60Hz coil powered at 50Hz pick-up	min max	cycles cycles V V	800000 800000 yes yes 100 250
Mechanical life Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating Rated AC voltage at 5	ing to IEC/EN 609474-4-1 50/60Hz, 60Hz of 50/60Hz coil powered at 50Hz	min max min	v v v v v v v v v v v v v v v v v v v	800000 800000 yes yes 100 250 80 Us min 110 Us max
Mechanical life Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating Rated AC voltage at 5	ing to IEC/EN 609474-4-1 i0/60Hz, 60Hz of 50/60Hz coil powered at 50Hz pick-up drop-out	min max min max	cycles cycles V V V	800000 800000 yes yes 100 250 80 Us min
Mechanical life Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating Rated AC voltage at 5	ing to IEC/EN 609474-4-1 i0/60Hz, 60Hz of 50/60Hz coil powered at 50Hz pick-up	min max min max	v v v v v v v v v v v v v v v v v v v	800000 800000 yes yes 100 250 80 Us min 110 Us max
Mechanical life Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating Rated AC voltage at 5	ing to IEC/EN 609474-4-1 io/60Hz, 60Hz of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	min max min max	v v v v v v v v v v v v v v v v v v v	800000 800000 yes yes 100 250 80 Us min 110 Us max
Mechanical life Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating Rated AC voltage at 5	ing to IEC/EN 609474-4-1 io/60Hz, 60Hz of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	min max min max max	v v v v v v v v v v v v v v v v v v v	800000 <u>800000</u> yes yes 100 250 80 Us min 110 Us max ≤70 Us min
Mechanical life Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating Rated AC voltage at 5	ing to IEC/EN 609474-4-1 io/60Hz, 60Hz of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz	min max min max max max	cycles cycles V V V V S %Us %Us %Us %Us	800000 <u>800000</u> yes yes 100 250 80 Us min 110 Us max ≤70 Us min 110 Us max
Mechanical life Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating Rated AC voltage at 5 AC operating voltage	ing to IEC/EN 609474-4-1 50/60Hz, 60Hz of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	min max min max max max	v v v v v v v v v v v v v v v v v v v	800000 90000 90000 9000 9000 9000 9000 9000 9000 9000 9000 9000 9
Mechanical life Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating Rated AC voltage at 5 AC operating voltage	ing to IEC/EN 609474-4-1 50/60Hz, 60Hz of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out umption at 20°C	min max min max max max	cycles cycles V V V V S %Us %Us %Us %Us	800000 <u>800000</u> yes yes 100 250 80 Us min 110 Us max ≤70 Us min 110 Us max
Mechanical life Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating Rated AC voltage at 5	ing to IEC/EN 609474-4-1 50/60Hz, 60Hz of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out	min max min max max max max	cycles cycles V V V %Us %Us %Us %Us %Us %Us	800000 <u>800000</u> yes yes 100 250 80 Us min 110 Us max ≤70 Us min 110 Us max ≤70 Us min
Mechanical life Electrical life Safety related data Performance level B10 Mirror contats accordin EMC compatibility AC coil operating Rated AC voltage at 5 AC operating voltage	ing to IEC/EN 609474-4-1 50/60Hz, 60Hz of 50/60Hz coil powered at 50Hz pick-up drop-out of 50/60Hz coil powered at 60Hz pick-up drop-out umption at 20°C	min max min max max max	cycles cycles V V V V S %Us %Us %Us %Us	800000 <u>800000</u> yes yes 100 250 80 Us min 110 Us max ≤70 Us min 110 Us max



FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 160A, AC/DC COIL, 230VAC/DC

BF150T4E230

ENERGY AND AUTOMATION					230VAC/DC
			in-rush	VA	70175
			holding	VA	1.73.5
	of 60Hz coil power	ed at 60Hz			
			in-rush	VA	70175
			holding	VA	1.73.5
Dissipation at holding	≤20°C 50Hz		3	W	1.31.5
DC coil operating					
DC rated control voltage	ne				
	30		min	V	100
				V	250
20			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
Average coil consump	tion ≤20°C				
			in-rush	W	7080
			holding	W	1.31.5
Max cycles frequency			Ŭ		
Mechanical operation				cycles/h	2000
Operating times				.,	
Average time for Us co	ontrol				
tronago anto for ee et	in AC				
		Closing NO			
			min	ma	45
			min	ms	
			max	ms	90
		Opening NO			0.4
			min	ms	24
			max	ms	60
	in DC				
		Closing NO			
			min	ms	45
			max	ms	90
		Opening NO			
			min	ms	24
			max	ms	60
JL technical data				-	
Yielded mechanical pe	erformance				
	for three-phase AC	motor			
	ior unco-priase AC		000/0001/		50
			- // // // // // // //	нυ	50
			200/208V 220/230V	HP HP	50 50

Contactor AC current 165 А Short-circuit protection fuse, 600V High fault Short circuit current kΑ 100 200 Fuse rating А Fuse class J Standard fault Short circuit current kΑ 10

460/480V

575/600V

ΗP

ΗP

100

125

BF150T4E230

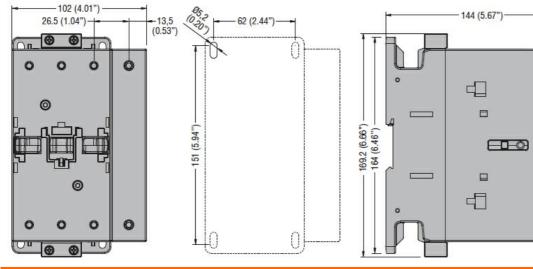
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



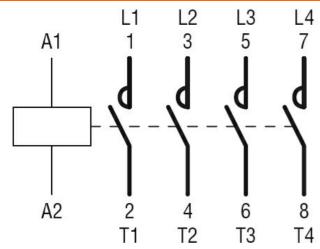
FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 160A, AC/DC COIL, 230VAC/DC

BF150T4E230

		Fuse rating	А	250
		Fuse class		RK5
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-40
		max	°C	70
	Storage temperature			
		min	°C	-50
		max	°C	80
Max altitude			m	3000
Resistance & Protect	ction			
Pollution degree				3
Dimensions				



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	

BF150T4E230



ENERGY AND AUTOMATION

Certificates		
	CCC	
	cULus	
	EAC	
ETIM classificatio	n	
		EC000066 -

ETIM 8.0

EC000066 -Power contactor, AC switching