



Contact characteristics Nr. 4 Number of poles Nr. 4 Rated insulation voltage UiEC/EN V 1000 Rated insulation voltage UiEC/EN KV 8 Operational frequency min Hz 25 max Hz 400 EC Conventional free air thermal current Ith A 250 Operational current le AC-1 (s40°C) A 250 AC-1 (s55°C) A 210 AC-1 (s55°C) A 210 AC-1 (s55°C) A aC-1 (s55°C) A 160 AC-3 (s4400 v s55°C) A 160 416V A 160 AC-3 (s4400 v s55°C) A 160 416V A 160 400V A 160 416V A 160 415V A 160 400V A 160 690V A 135 1000V A 60 Rated operational power AC-1 (T≤40°C) 230V KW 95 500V kW 181 <	Product designation Product type designation			Power contactor BF160
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 16C IEC Conventional free air thermal current lth A 250 Operational current le AC-1 (<40°C)				Birloo
Rated insulation voltage Ui IEC/EN V 1000 Rated inpulse withstand voltage Uimp kV 8 Operational frequency min Hz 25 IEC Conventional frequency min Hz 400 Operational current le A 250 0 Operational current le AC-1 (≤40°C) A 250 AC-1 (≤55°C) A 250 AC-1 (≤40°C) A AC-1 (≤70°C) A 180 AC-3 (≤440V ≤55°C) A 160 AC-3 (≤440V ≤55°C) A 160 AC-4 (400V) A 75 Rated operational current AC-3 (T≤55°C) 230V A 160 440V A 160 400V A 150 690V A 135 1000V A 160 500V A 155 690V A 135 1000V A 160 440V A 160 500V KW 95 400V KW 95 400V KW			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 250 Operational current le AC-1 (≤40°C) A 250 AC-1 (≤55°C) A 160 AC-1 (≤55°C) A 160 AC-3 (≤440V ≤55°C) A 160 AC-4 (400V) A 75 Rated operational current AC-3 (T≤55°C) 230V A 160 440V A 160 440V A 160 440V A 160 500V A 160 440V A 160 440V A 160 500V A 160 440V A 160 500V KW 95 400V A 160 1000V A 60 500V kW 181 690V kW 181 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A				
min Hz 25 Hz IEC Conventional free air thermal current lth A 250 Operational current le AC-1 (\$40°C) A 250 AC-1 (\$55°C) A 210 AC-1 (\$55°C) A 210 AC-1 (\$57°C) A 160 AC-1 (\$70°C) A 160 AC-3 (\$440V \$55°C) A 160 AC-4 (400V) A 75 Rated operational current AC-3 (T<55°C)	V		kV	8
max Hz 400 IEC Conventional free air thermal current lth A 250 Operational current le AC-1 (s40°C) A 250 AC-1 (s55°C) A 210 AC-1 (s55°C) A 210 AC-3 (s400°C) A 180 AC-3 (s400°C) A 180 AC-3 (s400°C) A 160 AC-3 (s400°C) A 160 AC-4 (4000V) A 75 Rated operational current AC-3 (T≤55°C) 230V A 160 400V A 160 400V A 160 415V A 160 500V A 150 500V A 150 500V A 160 500V KW 95 400V KW 181 690V KW 181 690V KW 181 690V KW 181 690V KW 250 110V A 110 220V A 250	Operational frequency			
IEC Conventional free air thermal current lthA250Operational current leAC-1 (s40°C)A250AC-1 (s55°C)A210AC-1 (s55°C)A180AC-3 (s440V \$55°C)A160AC-4 (400V)A75Rated operational current AC-3 (T≤55°C)230VA160400VA160440VA160440VA160440VA160440VA160500VA1351000VA60Rated operational power AC-1 (T≤40°C)230VkW95400VkW165500VkW181990VkW284165IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series\$24VA2501EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series\$24VA2501EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series\$24VA2501EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series\$24VA2501EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series\$24VA2501EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series\$24VA2501EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series\$24VA2501EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series\$24VA2501EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series\$24VA2501EC max current le in DC1 with L/R ≤ 1ms with 3		min	Hz	25
Operational current le AC-1 (s40°C) A 250 AC-1 (s55°C) A 210 AC-1 (s55°C) A 180 AC-3 (s440V s55°C) A 160 AC-4 (400V) A 75 Rated operational current AC-3 (T≤55°C) 230V A 160 400V A 160 400V A 160 400V A 160 415V A 160 440V A 160 415V A 160 416V A 160 500V A 150 690V A 150 690V A 155 600V KW 95 400V KW 95 400V KW 181 100V A 160 500V KW 181 690V KW 284 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series \$24V A 250 75V A 250 110V A 110 220V A 110 220V A 250 110V A 150 220V <t< td=""><td></td><td>max</td><td>Hz</td><td>400</td></t<>		max	Hz	400
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	IEC Conventional free air thermal current Ith		А	250
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Operational current le			
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		AC-1 (≤40°C)	А	250
AC-3 (≤440V ≤55°C) A 160 AC-4 (400V) A 75 Rated operational current AC-3 (T≤55°C) 230V A 160 400V A 160 400V A 160 415V A 160 416V A 160 440V A 160 416V A 160 500V A 150 690V A 135 1000V A 60 60 60 Rated operational power AC-1 (T≤40°C) 230V kW 95 400V kW 165 500V kW 165 500V kW 181 690V 8W 8 250 1EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series 524V A 250 110V A 110 220V A - 110 220V A 250 110V A 150 220V A 250 110V A 150 220V A 250 110V A 150 220V A		AC-1 (≤55°C)	А	210
AC-4 (400V) A 75 Rated operational current AC-3 (T≤55°C) 230V A 160 400V A 160 415V A 160 415V A 160 440V A 160 440V A 160 500V A 150 690V A 135 1000V A 60 Rated operational power AC-1 (T≤40°C) 230V kW 95 400V kW 181 690V kW 181 690V kW 181 690V kW 284 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 250 110V A 110 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 250 48V A 250 110V A 150 220V A 250 110V A 150 220V A 250 110V A 150 220V A 250 <td< td=""><td></td><td></td><td>А</td><td>180</td></td<>			А	180
Rated operational current AC-3 (T≤55°C) 230V A 160 400V A 160 415V A 160 440V A 160 440V A 160 440V A 160 500V A 150 690V A 135 1000V A 60 Rated operational power AC-1 (T≤40°C) 230V kW 95 400V kW 165 500V kW 181 690V kW 181 690V kW 284 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 250 110V A 110 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 250 110V A 150 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 250 110V A 150 220V A 150 220V A 1		AC-3 (≤440V ≤55°C)	А	160
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		AC-4 (400V)	Α	75
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Rated operational current AC-3 (T≤55°C)			
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				
$ \begin{array}{c} 440 \lor & A & 160 \\ 500 \lor & A & 150 \\ 690 \lor & A & 135 \\ 1000 \lor & A & 60 \end{array} \\ \hline \\ \mbox{Rated operational power AC-1 (T<40°C)} & & & & & \\ 230 \lor & kW & 95 \\ 400 \lor & kW & 165 \\ 500 \lor & kW & 181 \\ 690 \lor & kW & 284 \end{array} \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 1 poles in series} & & & \\ \hline \\ \mbox{Subscript{Image}{224} \lor & A & 250 \\ 48 \lor & A & 250 \\ 75 \lor & A & 250 \\ 110 \lor & A & 110 \\ 220 \lor & A & - \end{array} \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 2 poles in series} & & & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 2 poles in series} & & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 2 poles in series} & & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ $				
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				
1000VA60Rated operational power AC-1 (T≤40°C)230VkW95400VkW165500VkW181690VkW284IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\leq 24V$ A25048VA25075VA250110VA110220VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24V$ A25048VA250110VA150220VA150220VA130IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A250110VA150220VA130IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A25048VA250148VA250150220VA130				
230V kW 95 400V kW 165 500V kW 181 690V kW 284 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 250 48V A 250 110V A 110 220V A - 110 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 250 110V A 110 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 250 110V A 150 220V A 150 220V A 130 110 A 150 110V A 150 220V A 130 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 250 14W A 250 14W A 250				
$ \begin{array}{c c c c c c c } 230 & kW & 95 \\ 400 & kW & 165 \\ 500 & kW & 284 \\ \hline \\ $		1000V	A	60
$ \begin{array}{c c c c c c c } & 400V & kW & 165 \\ & 500V & kW & 284 \\ \hline \\ $	Rated operational power AC-1 (I≤40°C)			
$ \begin{array}{c cccc} 500 \lor & kW & 181 \\ 690 \lor & kW & 284 \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 1 poles in series} & $$ \le 24V & A & 250 \\ 48V & A & 250 \\ 75V & A & 250 \\ 110V & A & 110 \\ 220V & A & - \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 2 poles in series} & $$ \le 24V & A & 250 \\ 48V & A & 250 \\ 48V & A & 250 \\ 48V & A & 250 \\ 75V & A & 250 \\ 110V & A & 150 \\ 220V & A & 130 \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} & $$ \le 24V & A & 250 \\ 110V & A & 150 \\ 220V & A & 130 \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} & $$ \le 24V & A & 250 \\ 48V & A & 250 \\ 110V & A & 150 \\ 220V & A & 130 \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} & $$ \le 24V & A & 250 \\ 48V & A & 250 \\ 48V & A & 250 \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} & $$ \le 24V & A & 250 \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} & $$ = $$ $$ = $$ $$ = $$ = $$ $$ = $$ $$$				
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $				
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\leq 24V$ A25048VA25075VA250110VA110220VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24V$ A25048VA25075VA25075VA250110VA150220VA130IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A250110VA150220VA130220VA25048VA25048VA25048VA25048VA250				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	IFC more summent to in DC4 with 1/D < 4 more with 4 moles in series	690V	KVV	284
$ \begin{array}{ccccc} & 48 & & A & 250 \\ & 75 & & A & 250 \\ & 110 & & A & 110 \\ & 220 & & A & - \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R \leq 1ms with 2 poles in series} \\ & & & & \\ & & & & \\ & & & & & \\ & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ \hline \mbox{IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} \\ \hline IEC max cur$	The current is in DCT with $L/R \leq 1$ ms with T poiss in series	<24)/	٨	250
$\begin{array}{c cccc} 75 & A & 250 \\ 110 & A & 110 \\ 220 & A & - \end{array}$ IEC max current le in DC1 with L/R \leq 1ms with 2 poles in series $\begin{array}{c ccccccccccccccccccccccccccccccccccc$				
$\begin{array}{c cccc} & 110 & A & 110 \\ & 220 & A & - \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 2 poles in series} \\ & \le 24 V & A & 250 \\ & 48 V & A & 250 \\ & 75 V & A & 250 \\ & 110 V & A & 150 \\ & 220 V & A & 130 \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ & \le 24 V & A & 250 \\ & 48 V & A & 250 \\ & 48 V & A & 250 \\ \hline \mbox{48V} & A & 250 \\ \hline \\mbox{48V} & A & 250 \\ \hline \mbox{48V} & A & 250 \\ \hline \\mbox{48V} & A & 250 \\ \hline \\mbox{48V} & A & 250 \\ \hline \mbox{48V} & A & 250 \\ \hline \mbox{48V} & A & 250 \\ \hline \mbox{48V} & A & 250 \\ \hline \\mbox{48V} & A & 250 \\ \hline \\\mbox{48V} & A & 250 \\ \hline \\\\\mbox{48V} & A & 250 \\ \hline \\\\\\mbox{48V} & A & 250 \\ \hline \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\$				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				
IEC max current le in DC1 with L/R < 1ms with 2 poles in series				_
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	IFC max current le in DC1 with L/R < 1ms with 2 notes in series	2201	~	
$ \begin{array}{cccc} 48 \mbox{V} & \mbox{A} & 250 \\ 75 \mbox{V} & \mbox{A} & 250 \\ 110 \mbox{V} & \mbox{A} & 150 \\ 220 \mbox{V} & \mbox{A} & 130 \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R } \le 1 \mbox{ms with 3 poles in series} \\ & \qquad \qquad$		<24\/	Δ	250
$ \begin{array}{c cccc} 75 & A & 250 \\ 110 & A & 150 \\ 220 & A & 130 \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ & \le 24 V & A & 250 \\ & 48 V & A & 250 \end{array} $				
$ \begin{array}{c c} 110 \ \ A & 150 \\ 220 \ \ A & 130 \end{array} \\ \hline \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$				
220V A 130 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 250 48V A 250				
IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series $\leq 24V$ A 250 48V A 250				
≤24V A 250 48V A 250	IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
48V A 250		≤24V	А	250



	110V	А	160
	220V	А	150
	330V	А	130
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series			
	≤24V	А	250
	48V	А	250
	75V	А	250
	110V	А	250
	220V	А	250
IEC max current le in DC3-DC5 with L/R \leq 15ms with 1 poles in series			
	≤24V	А	250
	48V	А	250
	75V	А	160
	110V	А	80
	220V	A	
IEC max current le in DC3-DC5 with L/R \leq 15ms with 2 poles in series			
	≤24V	Α	250
	48V	A	250
	75V	Α	160
	110V	A	120
	220V	A	90
IEC max current le in DC3-DC5 with L/R \leq 15ms with 3 poles in series		_	
	≤24V	Α	250
	48V	A	250
	75V	A	160
	110V	A	140
	220V	A	120
	330V	A	90
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 4 poles in series	-0.0.1	•	050
	≤24V	A	250
	48V	A	250
	75V	A	160
	110V	A	140
	220V 330V	A	140
	330V 460V	A A	140 90
Short-time allowable current for 10s (IEC/EN60947-1)	400 v	A	1280
Protection fuse		A	1200
	gG (IEC)	А	315
	aM (IEC)	A	200
Making capacity (RMS value)		A	1360
Breaking capacity at voltage		Α	1300
broaking suparity at voltage	440V	А	1360
	500V	A	1326
	690V	A	1139
Resistance per pole (average value)	0001	mΩ	0.18
Power dissipation per pole (average value)			0.10
	lth	W	11
	AC-3	Ŵ	4.5
Tightening torque for terminals			
	min	Nm	18
	max	Nm	18
	min	Ibin	159
	max	Ibin	159
	max		

BF160T4E024



Tightening torque for coil terminal 0.8 Nm min Nm 1 max Power terminal protection according to IEC/EN 60529 **IP00** Mechanical features Operating position normal Vertical plan allowable ±30° Screw Fixing Weight 4000 g Operations Mechanical life 1000000 cycles Electrical life 1000000 cycles Safety related data Performance level B10d according to EN/ISO 13489-1 1000000 rated load cycles EMC compatibility yes AC coil operating Rated AC voltage at 50/60Hz, 60Hz V 24 min V 60 max AC operating voltage of 50/60Hz coil powered at 50Hz pick-up 80 Us min %Us min max %Us 110 Us max drop-out %Us ≤70 Us min max of 50/60Hz coil powered at 60Hz pick-up %Us 80 Us min min max %Us 110 Us max drop-out %Us ≤70 Us min max AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz VA 160...230 in-rush holding VA 1.5...3.0 of 50/60Hz coil powered at 60Hz in-rush VA 160...230 holding VA 1.5...3.0 of 60Hz coil powered at 60Hz VA 160...230 in-rush 1.5...3.0 holding VA Dissipation at holding ≤20°C 50Hz W 1.5...3.0 DC coil operating DC rated control voltage V 20 min

DC operating voltage

pick-up

V

max

60

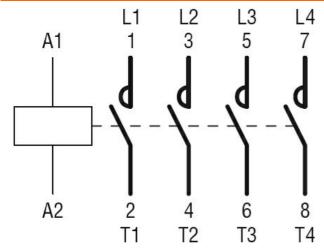


	drop-out			9/110	<70 Lla min
Average coil consump	ntion ≤20°C		max	%Us	≤70 Us min
			in-rush	W	160230
			holding	W	1.53.0
Max cycles frequency					
Mechanical operation				cycles/h	1000
Operating times				, ,	
Average time for Us co	ontrol				
-	in AC				
		Closing NO			
			min	ms	50
			max	ms	100
		Opening NO			
			min	ms	35
			max	ms	75
UL technical data					
Yielded mechanical pe	erformance				
	for three-phase AC mot	or			
			200/208V	HP	50
			220/230V	HP	60
			460/480V	HP	125
			575/600V	HP	150
General USE					
	Contactor				
			AC current	A	250
Short-circuit protectior					
	High fault				
			Short circuit current	kA	100
			Fuse rating	A	400
			Fuse class		J
	Standard fault		.		
			Short circuit current	kA	10
			Fuse rating	A	400
A			Fuse class		RK5
Ambient conditions					
Temperature					
	Operating temperature			•	40
			min	°C °C	-40
	Charge to man another		max	°C	70
	Storage temperature			° ^	50
			min	°C °C	-50
			max	°C	80
Max altitude				m	3000
Resistance & Protection	on				2
Pollution degree					3
Dimensions					



140 (5.51") 149 (5.87") 5 (0.20") (1.38") (1.38") (2.75") 112 (4.41") 0 0 0 0 С O 0 G Œ 民 四 日日 Ð 0 0 ⊕ Г 177 (6.97") Ē 128 (5.04") 187 (7.36") 169 (6.65") 193 (7.60") €0—□ E • 0 . \$5.4 (0.21") F Œ C 0 Ø8.5 (0.33") 128 (5.04") --18-(0.71") ____35 ___ (1.38*)

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		
		EC000066 -

ETIM 8.0

EC000066 -Power contactor, AC switching

ENERGY AND AUTOMATION

BF160T4E024