



Contact characteristicsNumber of polesNr. 4Number of polesNr. 4Rated insulation voltage UIIEC/ENVRated insulation voltage UIIEC/ENVOperational frequencyminHz25maxHzEC Conventional frequencyminHz25maxHzOperational current IeAAC-1 (≤40°C)AAC-1 (≤55°C)AAC-1 (≤55°C)AAC-1 (≤55°C)AAC-1 (≤70°C)AAC-1 (≤40°V)AAC-1 (≤40°V)AAC-1 (≤40°V)AAC-1 (≤40°V)AAC-1 (≤70°C)AAC-1 (≤70°C)AAC-1 (≤40°V)AAC-3 (≤440V) ≤55°C)AAC-4 (400V)AAC-4 (400V)AAC-4 (400V)KWAC-4 (400V)KWAC-4 (400V)AAC-4 (400V)<	Product designation Product type designation			Power contactor BF80
Number of polesNr.4Rated insulation voltage UimpV1000Rated insulation voltage UimpKV8Operational frequencyminHz25maxHz400IEC Conventional free air thermal current IthA115Operational current IeAC-1 (≤40°C)A115AC-1 (≤55°C)A95AC-1 (≤55°C)A80AC-3 (≤400V A38AC-3 (≤400V A38Rated operational power AC-1 (T≤40°C)230VkW43400V40V43AC0V kW76500VkW120120120120IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series≤24VA7048VA6075VA100110VA8220VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series≤24VA10075VA100110VA80220VA-110148VA10075VA100110VA80220VA9110VA85220VA9110VA85220VA9110VA85220VA9110VA85220VA9110VA10075VA10075VA100110VA85220VA95110V148VA10075V				
Rated insulation voltage U IEC/ENV1000Rated insulation voltage UimpkV8Operational frequencyminHz25maxHz400115IEC conventional frequencyA115Operational current leA115Operational current leA115AC-1 (≤40°C)A95AC-1 (≤55°C)A95AC-1 (≤40°C)A80AC-3 (≤440V) ≤55°C)A80AC-4 (400V)A88Rated operational power AC-1 (T≤40°C)230VkWBiolowKW120IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series≤24VAS20VA1001EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series≤24VAS20VA1001EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series≤24VAS20VA9IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series≤24VAS20VA9IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series≤24VAS20VA9IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series≤24VAS20VA100110VA85220VA10075VA100110VA85220VA9IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series≤24V <t< td=""><td></td><td></td><td>Nr.</td><td>4</td></t<>			Nr.	4
Rated impulse withstand voltage UimpkV8Operational frequencyminHz25maxHz400IEC Conventional free air thermal current lthA115Operational current leAC-1 (540°C)A115AC-1 (555°C)A95AC-1 (570°C)A80AC-3 (5440V \$55°C)A80AC-3 (5440V \$55°C)A80AC-4 (400V)A38AC-4 (400V)A38Rated operational power AC-1 (T≤40°C)230VkW43400KW76500VkW95690VkW12010048VA60110VA8220VA-110VA8220VA-110VA8220VA-110VA8220VA-110VA8220VA-110VA80220VA-110VA80220VA-110VA80220VA-110VA80220VA9110VA80220VA9110VA85220VA100110VA85220VA100110VA85220VA100110VA48VA10075XA10048VA10075XA100110VA48VA10075XA </td <td></td> <td></td> <td>V</td> <td>1000</td>			V	1000
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			kV	8
max Hz 400 IEC Conventional free air thermal current Ith A 115 Operational current le AC-1 (≤40°C) A 115 AC-1 (≤50°C) A 95 AC-1 (≤50°C) A 80 AC-3 (≤55°C) A 80 AC-3 (≤440V ≤55°C) A 80 AC-3 (≤440V ≤55°C) A 80 AC-3 (≤440V ≤55°C) A 80 AC-4 (400V) A 38 AC-3 (≤50°C) A 80 AC-3 (≤440V ≤55°C) A 80 AC-3 (≤50°C) A 80 AC-4 (400V) A 38 AC-3 (≤50°C) A 80 AC-3 (≤440V ≤55°C) A 80 AC-3 (≤50°C) A 80 BC 230V kW 43 400V kW 43 400V kW 76 500V kW 120 IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series 524V A 100 110V A 80 220V A	Operational frequency			
IEC Conventional free air thermal current lthA115Operational current leAC-1 (≤40°C)A115AC-1 (≤55°C)A95AC-1 (≤55°C)A80AC-3 (≤440V ≤55°C)A80AC-4 (400V)A38Rated operational power AC-1 (T≤40°C)230VkW43400VkW76500VkW95690VkW120IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series≤24VA70220VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series≤24VA100110VA8220VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series≤24VA100110VA80220VA-IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series≤24VA100110VA80220VA9IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series≤24VA100110VA85220VA9IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series≤24VA100110VA85220VA9IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series≤24VA100110VA85220VA9IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series≤24VA100110V		min	Hz	25
Operational current le AC-1 (≤40°C) A 115 AC-1 (≤55°C) A 95 AC-1 (≤70°C) A 80 AC-3 (≤440V ≤55°C) A 80 AC-4 (400V) A 38 Rated operational power AC-1 (T≤40°C) 230V kW 43 400V kW 43 Goov kW 43 400V kW 76 500V kW 120 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 70 48V A 60 75V A 60 110V A 8 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 100 48V A 100 48V A 100 110V A 80 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 100 48V A 100 110V A 85 220V A		max	Hz	400
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			Α	115
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Operational current le			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$. ,	А	
AC-3 (s440V ≤55°C) A 80 Rated operational power AC-1 (T≤40°C) 230V kW 43 400V kW 76 500V kW 95 690V kW 120 120 120 100 48V A 60 110V A 8 220V A - 120 110V A 8 220V A - 110V A 80 220V A 9 110V A 80 220V A 9 110V A 85 220V A 9 110V A 85 220V A 9 110V A 85 220V A 95 110V A 85 220V			А	
AC-4 (400V) A 38 Rated operational power AC-1 (T≤40°C) 230V kW 43 230V kW 43 400V kW 76 500V kW 95 690V kW 120 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series \$24V A 70 48V A 60 75V A 60 110V A 8 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series \$24V A 100 48V A 100 75V A 100 10V A 80 220V A 9 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series \$24V A 100 48V A 100 75V A 100 48V A 100 75V A 100 110V A 85 220V A 95 IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series \$24V A 100		. ,	А	
Rated operational power AC-1 (T≤40°C)230VkW43400VkW76500VkW95690VkW120IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series \leq 24VA75VA60110VA8220VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series \leq 24VA10048VA10048VA10075VA100110VA80220VA9IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series \leq 24VA20VA9IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series \leq 24VA20VA9IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series \leq 24VA20VA95IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series \leq 24VA20VA95IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series \leq 24VA20VA95IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series \leq 24VA20VA95IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series \leq 24VA20VA95100110VA10048VA10048VA10048VA1004		, , , , , , , , , , , , , , , , , , ,		
$\begin{array}{c} 230 \vee k \mathbb{W} 43 \\ 400 \vee k \mathbb{W} 76 \\ 500 \vee k \mathbb{W} 95 \\ 690 \vee k \mathbb{W} 120 \end{array}$ $\begin{array}{c} \text{IEC max current le in DC1 with L/R \leq 1ms with 1 poles in series} \\ & \leq 24 \vee A 70 \\ 48 \vee A 60 \\ 75 \vee A 60 \\ 110 \vee A 8 \\ 220 \vee A - \end{array}$ $\begin{array}{c} \text{IEC max current le in DC1 with L/R \leq 1ms with 2 poles in series} \\ & \leq 24 \vee A 100 \\ 48 \vee A 100 \\ 48 \vee A 100 \\ 75 \vee A 100 \\ 110 \vee A 80 \\ 220 \vee A 9 \end{array}$ $\begin{array}{c} \text{IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series} \\ & \leq 24 \vee A 100 \\ 48 \vee A 100 \\ 110 \vee A 80 \\ 220 \vee A 9 \end{array}$ $\begin{array}{c} \text{IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series} \\ & \leq 24 \vee A 100 \\ 48 \vee A 100 \\ 75 \vee A 100 \\ 110 \vee A 85 \\ 220 \vee A 95 \end{array}$ $\begin{array}{c} \text{IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series} \\ & \leq 24 \vee A 100 \\ 48 \vee A 100 \\ 110 \vee A 85 \\ 220 \vee A 95 \end{array}$		AC-4 (400V)	A	38
$ \begin{array}{c} 400 \vee & k W & 76 \\ 500 \vee & k W & 95 \\ 690 \vee & k W & 120 \end{array} \\ \hline IEC \mbox{ max current le in DC1 with L/R \le 1ms with 1 poles in series} \\ \begin{array}{c} \le 24 \vee & A & 70 \\ 48 \vee & A & 60 \\ 75 \vee & A & 60 \\ 110 \vee & A & 8 \\ 220 \vee & A & - \end{array} \\ \hline IEC \mbox{ max current le in DC1 with L/R \le 1ms with 2 poles in series} \\ \hline \\ IEC \mbox{ max current le in DC1 with L/R \le 1ms with 2 poles in series} \\ \hline \\ IEC \mbox{ max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ \hline \\ IEC \mbox{ max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ \hline \\ IEC \mbox{ max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ \hline \\ IEC \mbox{ max current le in DC1 with L/R \le 1ms with 4 poles in series} \\ \hline \\ IEC \mbox{ max current le in DC1 with L/R \le 1ms with 4 poles in series} \\ \hline \\ IEC \mbox{ max current le in DC1 with L/R \le 1ms with 4 poles in series} \\ \hline \\ IEC \mbox{ max current le in DC1 with L/R \le 1ms with 4 poles in series} \\ \hline \\ IEC \mbox{ max current le in DC1 with L/R \le 1ms with 4 poles in series} \\ \hline \\ IEC \mbox{ max current le in DC1 with L/R \le 1ms with 4 poles in series} \\ \hline \\ \hline \\ IEC \mbox{ max current le in DC1 with L/R \le 1ms with 4 poles in series} \\ \hline \\ \hline \\ IEC \mbox{ max current le in DC1 with L/R \le 1ms with 4 poles in series} \\ \hline \\ \hline \\ IEC \mbox{ max current le in DC1 with L/R \le 1ms with 4 poles in series} \\ \hline \\ \hline \\ \hline \\ IEC \mbox{ max current le in DC1 with L/R \le 1ms with 4 poles in series} \\ \hline \\ \hline \\ \hline \\ \hline \\ \hline \\ IEC \mbox{ max current le in DC1 with L/R \le 1ms with 4 poles in series} \\ \hline \\ $	Rated operational power AC-1 (T≤40°C)			
$ \begin{array}{c c c c c c c } \hline 500V & kW & 95 \\ \hline 690V & kW & 120 \\ \hline \hline IEC max current le in DC1 with L/R \leq 1ms with 1 poles in series \\ \hline & & & & & & & & \\ \hline & & & & & & & &$				
$ \begin{array}{c c c c c c c c } \hline 690V & kW & 120 \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 1 poles in series \\ & \leq 24V & A & 70 \\ & 48V & A & 60 \\ & 75V & A & 60 \\ & 110V & A & 8 \\ & 220V & A & - \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 2 poles in series \\ & \leq 24V & A & 100 \\ & 48V & A & 100 \\ & 75V & A & 100 \\ & 75V & A & 100 \\ & 110V & A & 80 \\ & 220V & A & 9 \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series \\ & \leq 24V & A & 100 \\ & 110V & A & 80 \\ & 220V & A & 9 \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series \\ & \leq 24V & A & 100 \\ & 48V & A & 100 \\ & 75V & A & 100 \\ & 110V & A & 85 \\ & 220V & A & 95 \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline IEC max current le in DC1 $				
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\leq 24V$ A7048VA6075VA60110VA8220VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24V$ A10048VA10075VA100110VA80220VA9IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A100110VA80220VA9IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A100110VA85220VA95IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series $\leq 24V$ A100110VA85220VA95IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series $\leq 24V$ A100110VA85220VA95IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series $\leq 24V$ A100110VA85220VA95IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series $\leq 24V$ A10010VA10075VA10010VA10075VA100110VA100110VA100				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		690V	kW	120
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				
$\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}{cccccccccccccccccccccccccccccccccccc$	$\frac{1}{100}$ may assume the in DO4 with $\frac{1}{100}$ dues with 0 males in equipa	2200	A	_
$ \begin{array}{ccccccc} & 48V & A & 100 \\ & 75V & A & 100 \\ & 110V & A & 80 \\ & 220V & A & 9 \end{array} \\ \hline \\$	IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series	<2414	۸	100
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				
$\begin{tabular}{ c c c c c } & 110V & A & 80 \\ & 220V & A & 9 \end{tabular} \\ \hline \end{tabular} IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series \\ \hline \end{tabular} $$ & $$ & $$ & $$ & $$ & $$ & $$ & $$$				
$\begin{array}{c c c c c c c } 220 & A & 9 \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ & \le 24 V & A & 100 \\ & 48 V & A & 100 \\ & 75 V & A & 100 \\ & 110 V & A & 85 \\ & 220 V & A & 95 \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 4 poles in series} \\ \hline & \le 24 V & A & 100 \\ & 48 V & A & 100 \\ & 48 V & A & 100 \\ & 48 V & A & 100 \\ & 75 V & A & 100 \\ & 110 V & A & 100 \\ \hline & 110 V & 10 V \\ \hline & 110 V &$				
IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series $\leq 24V$ A10048VA10075VA100110VA85220VA95IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series $\leq 24V$ A10048VA10048VA10075VA100110VA100110VA100				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	IEC may current le in DC1 with $L/R < 1$ ms with 3 poles in series	220 V	~	9
$ \begin{array}{ccccc} 48 V & A & 100 \\ 75 V & A & 100 \\ 110 V & A & 85 \\ 220 V & A & 95 \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 4 poles in series} \\ \hline \\ \hline \\ 824 V & A & 100 \\ 48 V & A & 100 \\ 75 V & A & 100 \\ 110 V & A & 100 \end{array} $		<24\/	Δ	100
$\begin{array}{ccccc} 75 & A & 100 \\ 110 & A & 85 \\ 220 & A & 95 \end{array}$ IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series $\begin{array}{ccccc} \leq 24 & A & 100 \\ 48 & A & 100 \\ 48 & A & 100 \\ 75 & A & 100 \\ 110 & A & 100 \end{array}$				
$ \begin{array}{c cccc} 110 V & A & 85 \\ 220 V & A & 95 \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 4 poles in series}} \\ & \le 24 V & A & 100 \\ 48 V & A & 100 \\ 75 V & A & 100 \\ 110 V & A & 100 \end{array} \\ \end{array} $				
220V A 95 IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series ≤24V A 100 48V A 100 75V A 100 110V A 100 100 100 100				
IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series $\leq 24V$ A10048VA10075VA100110VA100				
≤24V A 100 48V A 100 75V A 100 110V A 100	IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series	2201	~~	50
48V A 100 75V A 100 110V A 100		≤24\/	А	100
75V A 100 110V A 100				
110V A 100				
		220V	A	115

BF80T4A230



IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 1 poles in series			
	≤24V	А	40
	48V	А	30
	75V	А	30
	110V	Α	3
	220V	Α	_
IEC max current le in DC3-DC5 with L/R \leq 15ms with 2 poles in series			
	≤24V	А	60
	48V	Α	50
	75V	А	50
	110V	А	40
	220V	A	5
EC max current le in DC3-DC5 with L/R \leq 15ms with 3 poles in series			
	≤24V	А	80
	48V	Α	70
	75V	Α	70
	110V	А	60
	220V	Α	64
IEC max current le in DC3-DC5 with L/R \leq 15ms with 4 poles in series			
	≤24V	А	90
	48V	А	90
	75V	А	90
	110V	А	75
	220V	А	80
Short-time allowable current for 10s (IEC/EN60947-1)		А	640
Protection fuse			
	gG (IEC)	А	125
	aM (IEC)	А	80
Making capacity (RMS value)		А	800
Breaking capacity at voltage			
	440V	А	640
	500V	А	625
	690V	А	456
Resistance per pole (average value)		mΩ	0.6
Power dissipation per pole (average value)			
	lth	W	7.9
	AC3	W	3.8
Tightening torque for terminals			
	min	Nm	4
	max	Nm	5
	min	Ibin	2.95
	max	Ibin	3.69
Tightening torque for coil terminal	max		
	min	Nm	0.8
	max	Nm	1
	min	Ibin	0.8
	max	Ibin	0.74
Max number of wires simultaneously connectable	Παλ	Nr.	2
Conductor section		INI.	۷
AWG/Kcmil			2
	max		2
Flexible w/o lug conductor section		2	4 5
	min	mm²	1.5

BF80T4A230



BF80T4A230 ČTYŘPÓLOVÝ STYKAČ, JMENOVITÝ PROUD ITH (AC1)=115A, CÍVKA 230VAC 50/60HZ

		max	mm²	35
	Flexible c/w lug conductor section			
		min	mm²	1.5
		max	mm²	35
	tion according to IEC/EN 60529			IP20 front
Mechanical features				
Operating position		normal		Vartical plan
		normal allowable		Vertical plan ±30°
Fixing				Screw / DIN rail 35mm
Weight			g	1240
Conductor section	AWG/kcmil conductor section			
		max		2
Operations				
Nechanical life			cycles	15000000
Electrical life			cycles	1300000
Safety related data				
Performance level B10	0d according to EN/ISO 13489-1			
		rated load	cycles	1300000
		mechanical load	cycles	15000000
	ng to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating	0/6011-		V	220
Rated AC voltage at 50	0/6082		V	230
AC operating voltage	of 50/60Hz coil powered at 50Hz			
	pick-up			
	piere op	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
	Jacob Contractor	max	%Us	110
	drop-out	min	%Us	40
		min max	%Us %Us	40 55
AC average coil consu	Imption at 20°C	IIIdX	/005	55
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	210
		holding	VA	15
	of 50/60Hz coil powered at 60Hz			
	·	in-rush	VA	195
		holding	VA	13
	of 60Hz coil powered at 60Hz			
		in-rush	VA	210
		holding	VA	15
	<20°C 50H-		W	5
Dissipation at holding s Max cycles frequency Mechanical operation			cycles/h	

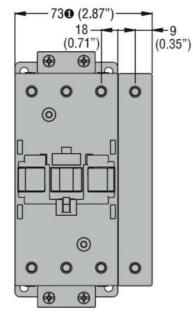
BF80T4A230 The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

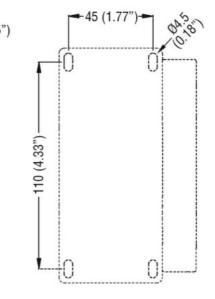


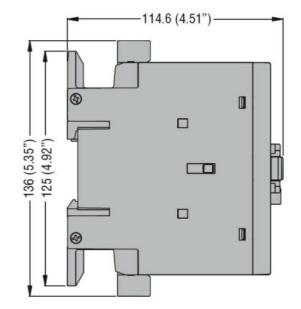
ENERGY AND AUTOMATION

Operating times					
Average time for Us					
	in AC				
		Closing NO			
			min	ms	12
			max	ms	28
		Opening NO			
			min	ms	8
			max	ms	22
	in DC				
		Closing NO			
			min	ms	40
			max	ms	85
		Opening NO			
			min	ms	20
			max	ms	55
UL technical data					
Full-load current (Fl	_A) for three-phase AC r	motor			
			at 480V	А	77
			at 600V	А	77
Yielded mechanical	performance				
	for three-phase AC	motor			
	·		200/208V	HP	25
			220/230V	HP	30
			460/480V	HP	60
			575/600V	HP	75
General USE					
	Contactor				
			AC current	А	115
Short-circuit protect	ion fuse 600V				
	High fault				
	riigiriaan		Short circuit current	kA	100
			Fuse rating	A	200
			Fuse class	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	J
	Standard fault		1 430 61435		5
	Stanuaru lault		Short circuit current	kA	10
			Fuse rating	A	200
			Fuse class	~	200 RK5
Ambient conditions					
Temperature	Operating temperat				
	Operating temperat	luie		° ^	50
			min	°C °C	-50
	Otomo ma ta const		max	°C	70
	Storage temperatur	re			00
			min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Prote	ction				
Dellution de sus s					3
Pollution degree Dimensions [mm (in					



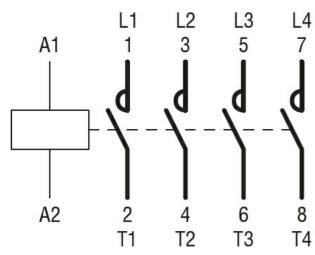






• BF80T2 82mm/3.23"

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		
	CCC	
	cULus	
ETIM classificatio	n	
ETIM 8.0		EC000066 - Power contactor, AC switching

BF80T4A230