BF19500E400



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 195A, AC/DC COIL, 250... 500VAC/DC



Product type designation BF195 Conlact characteristics				all out
Contact characteristicsNumber of polesNr.3Rated insulation voltage Ui IEC/ENV1000Rated insulation voltage Ui IEC/ENV8Operational frequencyminHz25maxH2400IEC Conventional frequencyminHz25Operational current leA275Operational current leAC-1 (\$40°C)A200AC-1 (\$55°C)A200AC-3 (\$440V 555°C)A195AC-4 (400V)A95AC-4 (400V)A95Rated operational power AC-3 (T≤55°C)230VkW55400VkW90415VkW110500VkW1801000VkW190690VkW1801000VkW190500VkW180100VkW110500VkW1801000VkW110440VkW110100VkW110100VkW120220VkW121120220VkW121120220VA-110VA120220VA-110VA120220VA-110VA120220VA-110VA120220VA-110VA120220VA-110VA120220VA-110VA120220VA-110VA120220VA	Product designation			Power contactor
Number of polesNr.3Rated insulation voltage Ui IEC/ENV1000Rated insulation voltage UimpkV8Operational frequencyminHz25maxHz400IEC Conventional free air thermal current lthA275Operational current leAC-1 (540°C)A230AC-1 (555°C)A230AC-1 (570°C)A200AC-3 (555°C)A230AC-4 (400V)A95Rated operational power AC-3 (T≤55°C)230VkW55400VkW90Attack4400kW110440VkW110440VkW110500VkW132690VkW132690VkW132690VkW199690VkW199690VkW199690VkW199690VkW1201EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series≤24VA27575VA2751EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series≤24VA27575VA2751EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series≤24VA27575VA2751EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series≤24VA27575VA2751EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series≤24VA27575VA2751EC max current le in DC1 with L/R	Product type designation			BF195
Rated insulation voltage Ui IEC/ENV1000Rated inpulse withstand voltage UimpkV8Operational frequencyminH225maxH2400400IEC Conventional frequencyA275Operational current leAC-1 (\$40°C)A275Operational current leAC-1 (\$55°C)A230AC-1 (\$55°C)A200AC-3 (\$440V \$55°C)A195Rated operational power AC-3 (T≤55°C)230VkW55400VkW90415VkW110500VkW100500VkW181500VkW1601000VkW199Rated operational power AC-1 (T≤40°C)230VkW104400VkW181500VkW199690VkW181500VkW1991EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series\$24VA2751EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series\$24VA275110VA120220VA-1EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series\$24VA275110VA170220VA1501EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series\$24VA275110VA170220VA1501EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series\$24VA275110VA<	Contact characteristics			
Rated impulse withstand voltage UimpkV8Operational frequencyminHz25maxHz400IEC Conventional current leA275Operational current leAC-1 (s40°C)A275AC-1 (s55°C)A230AC-1 (s56°C)A195AC-1 (s40V)A9595AC-4 (400V)A95Rated operational power AC-3 (T≤55°C)230VkW55400VkW110500VkW110500VkW110500VkW132690VkW110500VkW132690VkW181500VkW120230VkW104400VkW121IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series\$24VA275110VA120IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series\$24VA275110VA120IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series\$24VA275110VA120IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series\$24VA275110VA170IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series\$24VA275110VA170IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series\$24VA275110VA170IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series\$24VA275 <td< td=""><td>Number of poles</td><td></td><td>Nr.</td><td>3</td></td<>	Number of poles		Nr.	3
Operational frequency min max Hz 25 400 IEC Conventional free air thermal current lth A 275 Operational current le A 275 AC-1 (≤40°C) A 275 AC-1 (≤55°C) A 230 AC-3 (≤440V ≤55°C) A 195 AC-4 (400V) A 95 Rated operational power AC-3 (T≤55°C) 230V kW 55 400V kW 10 440V kW 110 440V kW 110 440V kW 132 690V kW 132 690V kW 160 1000V kW 90 415V kW 132 690V kW 180 100V kW 191 690V kW 181 500V kW 181 500V kW 181 500V kW 122 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series \$24V A 275 1	Rated insulation voltage Ui IEC/EN		V	1000
Operational frequency min max Hz 25 400 IEC Conventional free air thermal current lth A 275 Operational current le A 275 AC-1 (≤40°C) A 275 AC-1 (≤55°C) A 230 AC-3 (≤440V ≤55°C) A 195 AC-4 (400V) A 95 Rated operational power AC-3 (T≤55°C) 230V kW 55 400V kW 10 440V kW 110 440V kW 110 440V kW 132 690V kW 132 690V kW 160 1000V kW 90 415V kW 132 690V kW 180 100V kW 191 690V kW 181 500V kW 181 500V kW 181 500V kW 122 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series \$24V A 275 1	Rated impulse withstand voltage Uimp		kV	8
min Hz 25 max Hz 400 EC Conventional free air thermal current lth A 275 Operational current le AC-1 (≤40°C) A 275 AC-1 (≤55°C) A 230 AC-1 (≤70°C) A 200 AC-3 (≤440V ≤55°C) A 195 AC-3 (≤440V ≤55°C) A 195 Rated operational power AC-3 (T≤55°C) 230V kW 55 400V kW 99 Rated operational power AC-3 (T≤55°C) 230V kW 100 440V kW 110 440V kW 110 440V kW 110 500V kW 180 500V kW 180 500V kW 181 500V kW 181 500V kW 181 500V kW 181 500V kW 120 EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series 224V A 275 110V A 120 220V A - - 220V A - - IEC max current le in DC1 w				
IEC Conventional free air thermal current lth A 275 Operational current le AC-1 (≤40°C) A 275 AC-1 (≤55°C) A 230 AC-1 (≤70°C) A 200 AC-3 (≤440V ≤55°C) A 195 AC-4 (400V) A 95 Rated operational power AC-3 (T≤55°C) 230V kW 55 400V kW 90 415V kW 110 500V kW 110 500V kW 110 500V kW 110 500V kW 110 500V kW 120 8 230V kW 110 500V kW 132 690V kW 132 690V kW 181 500V kW 181 500V kW 121 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 275 75V A 275 110V A 120 220V A - 220 A 275 110V A 275 75V A 275 75V		min	Hz	25
Operational current le AC-1 (≤40°C) A 275 AC-1 (≤55°C) A 230 AC-3 (≤440V ≤55°C) A 195 Rated operational power AC-3 (T≤55°C) 230V kW 55 400V kW 90 415V kW 100 440V kW 110 440V kW 110 440V kW 110 500V kW 132 690V kW 110 500V kW 160 1000V kW 90 8 12 690V kW 104 400V kW 104 400V kW 104 400V kW 104 400V kW 104 400V kW 104 400V kW 104 400V kW 104 400V kW 120 120 120 120 120 120 120 120 120 100 A 120 220V A 275		max	Hz	
Operational current le AC-1 (≤40°C) A 275 AC-1 (≤55°C) A 230 AC-3 (≤440V ≤55°C) A 195 Rated operational power AC-3 (T≤55°C) 230V kW 55 400V kW 90 415V kW 100 440V kW 110 440V kW 110 440V kW 110 500V kW 132 690V kW 110 500V kW 160 1000V kW 90 8 12 690V kW 104 400V kW 104 400V kW 104 400V kW 104 400V kW 104 400V kW 104 400V kW 104 400V kW 104 400V kW 120 120 120 120 120 120 120 120 120 100 A 120 220V A 275	IEC Conventional free air thermal current Ith		Α	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Operational current le			
$\begin{array}{cccccccc} AC-1 (\leq 55^{\circ} C) & A & 230 \\ AC-1 (\leq 70^{\circ} C) & A & 200 \\ AC-3 (\leq 4400 \lor 55^{\circ} C) & A & 195 \\ \hline AC-4 (400 \lor) & A & 95 \\ \hline \\ Rated operational power AC-3 (T \leq 55^{\circ} C) & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & & \\ & & & & & & & & \\ & & & & & & & & \\ & & & & & & & & \\ & & & & & & & \\ & & & & & & & & \\$		AC-1 (≤40°C)	А	275
$\begin{array}{cccc} AC-1 (\leq 70^{\circ}\text{C}) & A & 200 \\ AC-3 (\leq 440V \leq 55^{\circ}\text{C}) & A & 195 \\ AC-4 (400V) & A & 95 \\ \hline \end{array}$ Rated operational power AC-3 (T<55°C) $\begin{array}{c} 230V & kW & 55 \\ 400V & kW & 90 \\ 415V & kW & 110 \\ 440V & kW & 110 \\ 500V & kW & 132 \\ 690V & kW & 132 \\ 690V & kW & 160 \\ 1000V & kW & 90 \\ \hline \end{array}$ Rated operational power AC-1 (T<40°C) $\begin{array}{c} 230V & kW & 104 \\ 400V & kW & 181 \\ 500V & kW & 199 \\ 690V & kW & 199 \\ 690V & kW & 199 \\ 690V & kW & 192 \\ \hline \end{array}$ IEC max current le in DC1 with L/R < 1ms with 1 poles in series $\begin{array}{c} \leq 24V & A & 275 \\ 110V & A & 120 \\ 220V & A & - \\ \hline \end{array}$ IEC max current le in DC1 with L/R < 1ms with 2 poles in series $\begin{array}{c} \leq 24V & A & 275 \\ 110V & A & 120 \\ 220V & A & - \\ \hline \end{array}$ IEC max current le in DC1 with L/R < 1ms with 2 poles in series $\begin{array}{c} \leq 24V & A & 275 \\ 110V & A & 120 \\ 220V & A & - \\ \hline \end{array}$ IEC max current le in DC1 with L/R < 1ms with 2 poles in series $\begin{array}{c} \leq 24V & A & 275 \\ 110V & A & 120 \\ 220V & A & - \\ \hline \end{array}$ IEC max current le in DC1 with L/R < 1ms with 2 poles in series $\begin{array}{c} \leq 24V & A & 275 \\ 110V & A & 170 \\ 220V & A & - \\ \hline \end{array}$ IEC max current le in DC1 with L/R < 1ms with 3 poles in series $\begin{array}{c} \leq 24V & A & 275 \\ 110V & A & 170 \\ 220V & A & - \\ \hline \end{array}$		· · ·		
AC-3 (s440V ≤55°C) A 195 AC-4 (400V) A 95 Rated operational power AC-3 (T≤55°C) 230V kW 55 400V kW 90 415V kW 110 440V kW 110 440V kW 110 500V kW 160 1000V kW 132 690V kW 160 1000V kW 199 690V kW 104 400V kW 111 1000V kW 104 400V kW 113 1000V kW 104 400V kW 113 1000V kW 104 400V kW 113 100V kW 120 20V kW 120 220V A 275 110V A 120 220V A 275 75V A 275 110V A 120 220V A 275 75V A 275 75V A 275				
AC-4 (400V) A 95 Rated operational power AC-3 (T≤55°C) 230V kW 55 400V kW 90 415V kW 110 440V kW 110 440V kW 110 440V kW 110 500V kW 132 690V kW 160 1000V kW 90 Rated operational power AC-1 (T≤40°C) 230V kW 230V kW 104 400V kW 199 690V kW 181 500V kW 199 690V kW 312 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series 224V A 275 110V A 120 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series \$24V A 275 110V A 120 220V A 275 75V A 275 75V A 275 75V		· · · · · · · · · · · · · · · · · · ·		
Rated operational power AC-3 (T≤55°C) 230V kW 55 400V kW 90 415V kW 110 440V kW 110 440V kW 110 500V kW 132 690V kW 160 1000V kW 90 Rated operational power AC-1 (T≤40°C) 230V kW 104 400V kW 181 500V kW 199 690V kW 132 690V kW 121 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 275 110V A 120 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 275 110V A 120 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 275 110V A 120 220V A 275 110V A 170 220V A 150 </td <td></td> <td>· /</td> <td></td> <td></td>		· /		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Rated operational power AC-3 (T≤55°C)			
	1 1 ()	230V	kW	55
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				
1000VkW90Rated operational power AC-1 (T≤40°C)230VkW104400VkW181500VkW199690VkW312IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\leq 24V$ A27548VA27575VA275110VA120220VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24V$ A27548VA48VA27575VA275110VA170220VA150IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A275110VA170220VA150IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series				
Rated operational power AC-1 (T≤40°C)230VkW104400VkW181500VkW199690VkW312IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\leq 24V$ A27548VA27575VA275110VA120220VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24V$ A27548VA275110VA120220VA-25110VA170220VA150150150150IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A275110VA170220VA150IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A275				
$\begin{array}{c} 230 \lor k \Downarrow 104 \\ 400 \lor k \Downarrow 181 \\ 500 \lor k \Downarrow 199 \\ 690 \lor k \circlearrowright 312 \end{array}$ IEC max current le in DC1 with L/R < 1ms with 1 poles in series $\begin{array}{c} \leq 24 \lor A 275 \\ 48 \lor A 275 \\ 75 \lor A 275 \\ 110 \lor A 120 \\ 220 \lor A - \end{array}$ IEC max current le in DC1 with L/R < 1ms with 2 poles in series $\begin{array}{c} \leq 24 \lor A 275 \\ 48 \lor A 275 \\ 110 \lor A 120 \\ 220 \lor A - \end{array}$ IEC max current le in DC1 with L/R < 1ms with 2 poles in series $\begin{array}{c} \leq 24 \lor A 275 \\ 48 \lor A 275 \\ 75 \lor A 275 \\ 110 \lor A 170 \\ 220 \lor A 150 \end{array}$ IEC max current le in DC1 with L/R < 1ms with 3 poles in series $\begin{array}{c} \leq 24 \lor A 275 \\ 110 \lor A 170 \\ 220 \lor A 150 \end{array}$	Rated operational power AC-1 (T≤40°C)			
$ \begin{array}{c c c c c c } & 400 \lor & k \lor & 181 \\ & 500 \lor & k \lor & 199 \\ & 690 \lor & k \lor & 312 \end{array} \end{array} $ IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $ \begin{array}{c c c c c c } & \leq 24 \lor & A & 275 \\ & 48 \lor & A & 275 \\ & 48 \lor & A & 275 \\ & 75 \lor & A & 275 \\ & 110 \lor & A & 120 \\ & 220 \lor & A & - \end{array} $ IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $ \begin{array}{c c c c c c c } & \leq 24 \lor & A & 275 \\ & 48 \lor & A & 275 \\ & 48 \lor & A & 275 \\ & 75 \lor & A & 275 \\ & 110 \lor & A & 170 \\ & 220 \lor & A & 150 \end{array} $ IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $ \begin{array}{c c c c c } & \leq 24 \lor & A & 275 \\ & 110 \lor & A & 170 \\ & 220 \lor & A & 150 \end{array} $ IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $ \begin{array}{c c c } & \leq 24 \lor & A & 275 \\ & 110 \lor & A & 170 \\ & 220 \lor & A & 150 \end{array} $		230V	kW	104
$ \begin{array}{c c} 500 \lor k & 199 \\ 690 \lor k & 312 \end{array} \\ \hline \begin{tabular}{ll} IEC max current le in DC1 with L/R \leq 1ms with 1 poles in series \\ & \leq 24 \lor A & 275 \\ & 48 \lor A & 275 \\ & 48 \lor A & 275 \\ & 75 \lor A & 275 \\ & 110 \lor A & 120 \\ & 220 \lor A & - \end{array} \\ \hline \begin{tabular}{ll} IEC max current le in DC1 with L/R \leq 1ms with 2 poles in series \\ & \leq 24 \lor A & 275 \\ & 48 \lor A & 275 \\ & 48 \lor A & 275 \\ & 48 \lor A & 275 \\ & 75 \lor A & 275 \\ & 110 \lor A & 170 \\ & 220 \lor A & 150 \end{array} \\ \hline \begin{tabular}{ll} IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series \\ \hline \end{tabular}$				
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 275 48V A 275 75V A 275 110V A 120 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 275 48V A 275 48V A 275 1EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 275 110V A 275 75V A 275 110V A 170 220V A 150 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 275 120 220V A 150 220V A 150				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		690V	kW	312
$ \begin{array}{ccccc} 48V & A & 275 \\ 75V & A & 275 \\ 110V & A & 120 \\ 220V & A & - \end{array} \\ \hline \\ IEC \mbox{ max current le in DC1 with L/R \leq 1ms with 2 poles in series} \\ & & & & & & \\ & & & & & & \\ & & & & $	IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
$ \begin{array}{ccccc} & 48 & & A & 275 \\ & 75 & & A & 275 \\ & 110 & & A & 120 \\ & 220 & & A & - \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 2 poles in series} & & & & \\ & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} & & & \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} & & \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} & & \\ \hline \end{tabular} $		≤24V	А	275
$\begin{array}{cccc} 75 & A & 275 \\ 110 & A & 120 \\ 220 & A & - \end{array}$ IEC max current le in DC1 with L/R \leq 1ms with 2 poles in series $\begin{array}{cccc} \leq 24 & A & 275 \\ 48 & A & 275 \\ 75 & A & 275 \\ 75 & A & 275 \\ 110 & A & 170 \\ 220 & A & 150 \end{array}$ IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series $\begin{array}{cccccc} \leq 24 & A & 275 \\ 110 & A & 170 \\ 220 & A & 150 \end{array}$		48V		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		75V		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		110V	А	120
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24V$ A27548VA27575VA275110VA170220VA150				_
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	IEC max current le in DC1 with L/R \leq 1ms with 2 poles in series			
$ \begin{array}{c cccc} 48V & A & 275 \\ 75V & A & 275 \\ 110V & A & 170 \\ 220V & A & 150 \end{array} \\ \hline \\$	•	≤24V	А	275
$\begin{array}{cccc} 75 \ensuremath{V} & \ensuremath{A} & 275 \\ 110 \ensuremath{V} & \ensuremath{A} & 170 \\ 220 \ensuremath{V} & \ensuremath{A} & 150 \end{array}$ IEC max current le in DC1 with L/R < 1ms with 3 poles in series $\leq 24 \ensuremath{V} & \ensuremath{A} & 275 \end{array}$				
$ \begin{array}{c c} 110V & A & 170 \\ 220V & A & 150 \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ \hline \mbox{\le 24V $ A $=$ 275 } \end{array} $				
220VA150IEC max current le in DC1 with L/R < 1ms with 3 poles in series				
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 275				
≤24V A 275	IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
		≤24\/	А	275
		48V	A	275
75V A 275				



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 195A, AC/DC COIL, 250...

500VAC/DC

BF19500E400

	110V	А	170
	220V	А	150
	330V	А	150
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series			
	≤24V	А	275
	48V	А	275
	75V	А	275
	110V	А	275
	220V	А	275
IEC max current le in DC3-DC5 with L/R \leq 15ms with 1 poles in series			
	≤24V	А	275
	48V	А	275
	75V	А	180
	110V	А	90
	220V	А	-
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	≤24V	А	275
	48V	А	275
	75V	А	180
	110V	А	140
	220V	А	100
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
	≤24V	А	275
	48V	А	275
	75V	А	180
	110V	А	160
	220V	А	140
	330V	А	100
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
	≤24V	А	275
	48V	А	275
	75V	А	180
	110V	А	160
	220V	А	160
	330V	А	160
	460V	А	100
Short-time allowable current for 10s (IEC/EN60947-1)		А	1560
Protection fuse			
	gG (IEC)	А	315
	aM (IEC)	А	250
Making capacity (RMS value)		Α	1658
Breaking capacity at voltage			
	440V	А	1658
	500V	A	1326
	690V	A	1377
Resistance per pole (average value)		mΩ	0.18
Power dissipation per pole (average value)			-
	lth	W	13
	AC3	W	6.7
Tightening torque for terminals			
	min	Nm	18
	max	Nm	18
	min	Ibin	159
	max	Ibin	159
	mux		



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 195A, AC/DC COIL, 250...

ENERGY AND AUTOMATION

500VAC/DC

BF19500E400

Tightening torque for c	coil terminal			
rightening terque for e		min	Nm	0.8
		max	Nm	1
Power terminal protec	tion according to IEC/EN 60529			IP00
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw
Weight			g	3000
Operations				
Mechanical life			cycles	1000000
Electrical life			cycles	1000000
Safety related data				
Performance level B1	0d according to EN/ISO 13489-1			
		rated load	cycles	1000000
EMC compatibility			-	yes
AC coil operating				
Rated AC voltage at 5	0/60Hz, 60Hz			
		min	V	250
		max	V	500
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up			
		min	%Us	80 Us min
		max	%Us	110 Us max
	drop-out			
		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			
		max	%Us	≤70 Us min
AC average coil consu	-			
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	160230
		holding	VA	1.53.0
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	160230
		holding	VA	1.53.0
	of 60Hz coil powered at 60Hz			
		in-rush	VA	160230
		holding	VA	1.53.0
Dissipation at holding	≤20°C 50Hz		W	1.53.0
DC coil operating				
DC rated control voltage	ge			
		min	V	250
		max	V	500
DC operating voltage				
	pick-up			
		min	%Us	85 Us min
		max	%Us	110 Us max

BF19500E400

BF19500E400



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 195A, AC/DC COIL, 250...

ENERGY AND AUTOMATION

500VAC/DC

	drop-out			
		max	%Us	≤70 Us min
Average coil consu	mption ≤20°C	in-rush	W	160230 1.53.0
Max cycles frequen		holding	W	1.53.0
Max cycles nequen Mechanical operation			cycles/h	1000
Operating times			0,0100,11	1000
Average time for Us	s control			
-	in AC			
	Closing NO			
		min	ms	50
		max	ms	100
	Opening NO			
		min	ms	35
		max	ms	75
UL technical data	Inorformanco			
Yielded mechanical	-			
	for three-phase AC motor	200/208V	HP	60
		200/200V 220/230V	HP	75
		460/480V	HP	150
		575/600V	HP	150
General USE				
	Contactor			
		AC current	А	275
Short-circuit protect	tion fuse, 600V			
	High fault			
		Short circuit current	kA	100
		Fuse rating	А	400
		Fuse class		J
	Standard fault			4.0
		Short circuit current	kA	10
		Fuse rating	A	400 DK5
Ambient conditions		Fuse class		RK5
Temperature				
	Operating temperature			
		min	°C	-40
		max	°Č	70
	Storage temperature		-	-
	Ŭ I	min	°C	-50
		max	°C	80
Max altitude			m	3000
Resistance & Prote	ction			
Pollution degree				3
Dimensions				



BF19500E400

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 195A, AC/DC COIL, 250... 500VAC/DC

ENERGY AND AUTOMATION

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105 (4.13")

_____35____ (1.38")

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Ø8.5(0.33")

— 35— (1.38")

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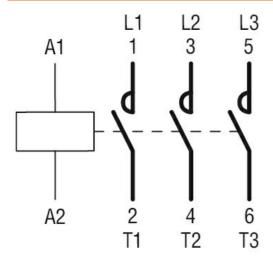
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169 (6.65")

149 (5.87") 5 (0.20") 112 (4.41") 0 0 177 (6.97") 128 (5.04") 187 (7.36") E 193 (7.60") E 0 , Ø5.4 (0.21°) 93 (3.66")

Wiring diagrams



Certifications and compliance

Certificates

cULus

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching

BF19500E400