



Product designation Product type designation         Power contact BF195           Contract characteristics         Nr.         4           Rated insulation voltage Ui IEC/EN         V         1000           Rated insulation voltage Ui IEC/EN         V         8           Operational frequency         min         Hz         25           Operational frequency         min         Hz         25           Operational current le         A         275           Operational current le         AC-1 (≤40°C)         A         275           AC-1 (≤55°C)         A         230         AC-1 (≤55°C)         A         230           AC-3 (≤440V ≤55°C)         A         195         AC-4 (400V)         A         95           Rated operational current AC-3 (T≤55°C)         230V         A         195         440V         A         195           440V         A         195         440V         A         195         440V         A         195           440V         A         195         440V         A         195         440V         A         195           440V         A         195         440V         A         195         440V         A         195				0.007
Product type designation         BF195           Contact characteristics         v           Number of poles         Nr.         4           Rated insulation voltage UI IEC/EN         V         1000           Rated impulse withstand voltage Uimp         KV         8           Operational frequency         min         Hz         25           max         Hz         400         1EC Conventional free air thermal current lth         A         275           Operational current le         AC-1 (≤40°C)         A         275         AC-1 (≤40°C)         A         200           AC-3 (≤440V ≤55°C)         A         195         AC-4 (400V)         A         95           Rated operational current AC-3 (T≤55°C)         230V         A         195           400V         A         195         440V         A         195           440V         A         195         500V         A         185           690V         A         165         1000V         A         85           Rated operational power AC-1 (T≤40°C)         230V         KW         104         690V         A         165           690V         KW         181         500V         KW         120 <th>Product designation</th> <th></th> <th></th> <th>Power contactor</th>	Product designation			Power contactor
Number of polesNr.4Rated insulation voltage Ui IEC/ENV1000Rated insulation voltage UimpkV8Operational frequencyminHz25maxHz4001IEC Conventional free air thermal current lthA275Operational current leAC-1 (≤40°C)A275AC-1 (≤55°C)A230AC-1 (≤70°C)AAC-1 (≤55°C)A230AC-1 (≤70°C)AAC-3 (≤440V ≤55°C)A195AC-4 (400V)AAC-4 (400V)A195415VAAC-4 (400V)A195500VA184690VA195500VA184690VA1651000VA85Rated operational power AC-1 (T≤40°C)230VKW104400VKW181500VKW199690VKW191500VKW1911EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $≤24V$ A2751EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $≤24V$ A2751EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $≤24V$ A275	-			BF195
Rated insulation voltage Ui IEC/ENV1000Rated impulse withstand voltage UimpkV8Operational frequencyminHz25maxHz400162IEC conventional free air thermal current IthA275Operational current leAC-1 (≤40°C)A275AC-1 (≤55°C)A230AC-1 (≤55°C)A200AC-3 (≤440V ≤55°C)A195AC-4 (400V)A95Rated operational current AC-3 (T≤55°C)230VA195415VA195415VA195440VA195440VA195415VA195400VA195500VA184690VA1651000VA85100VA85Rated operational power AC-1 (T≤40°C)230VkW104400VkW181500VkW199690VkW199690VkW12IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series≤24VA27575VA275IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series≤24VA275100VA120220VA-120220VA-120220VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series≤24VA275100VA275IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series≤24VA<	Contact characteristics			
Rated impulse withstand voltage UimpkV8Operational frequencyminHz25maxHz400IEC Conventional free air thermal current lthA275Operational current leAC-1 (≤40°C)A275AC-1 (≤55°C)A230AC-1 (≤55°C)AAC-3 (≤440V ≤55°C)A195AC-4 (400V)A95Rated operational current AC-3 (T≤55°C)230VA195400VA195415VA195440VA195500VA184690VA185500VA184690VA1651000VA85Rated operational power AC-1 (T≤40°C)230VKW104400VKW181500VKW199690VKW312 <td>Number of poles</td> <td></td> <td>Nr.</td> <td>4</td>	Number of poles		Nr.	4
Rated impulse withstand voltage UimpkV8Operational frequencyminHz25maxHz400IEC Conventional free air thermal current lthA275Operational current leAC-1 (≤40°C)A230AC-1 (≤55°C)A230AC-1 (≤55°C)AAC-1 (≤55°C)A200AC-1 (≤400V)A95Rated operational current AC-3 (T≤55°C)230VA195Attack400VA195440VA415VA195440VA195415VA195500VA184690VA185500VA184690VA1651000VA85Rated operational power AC-1 (T≤40°C)230VkW104400VKW199690VkW312IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series≤24VA275110VA120220VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series≤24VA275110VA120220VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series≤24VA275	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         AC-1 (≤40°C)         A         275           AC-1 (55°C)         A         230         AC-1 (≤55°C)         A         230           AC-3 (≤440V 55°C)         A         195         AC-4 (400V)         A         95           Rated operational current AC-3 (T≤55°C)         230V         A         195         400V         A         195           400V         A         195         415V         A         195         500V         A         195           440V         A         195         500V         A         195         500V         A         184           690V         A         184         690V         A         185           Rated operational power AC-1 (T≤40°C)         230V         kW         104         400V         kW         181           500V         KW         181         500V         kW         131           IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series         \$24V         A         275           48V         A         275         75			kV	8
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				
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 current AC-3 (T≤55°C)       230V       A       195       400V       A       195         400V       A       195       400V       A       195       400V       A       195         440V       A       195       500V       A       184       690V       A       165         1000V       A       85       Atto:       100V       A       85         Rated operational power AC-1 (T≤40°C)       230V       kW       104       400V       kW       181         500V       KW       104       400V       kW       181       500V       kW       195         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       -       220V       A       - <td< td=""><td></td><td>min</td><td>Hz</td><td>25</td></td<>		min	Hz	25
Operational current le         AC-1 (≤40°C)         A         275           AC-1 (≤55°C)         A         230         AC-1 (≤55°C)         A         230           AC-3 (≤400V)         A         200         AC-3 (≤400V)         A         95           Rated operational current AC-3 (T≤55°C)         230V         A         195         400V         A         195           400V         A         195         415V         A         195           440V         A         195         500V         A         184           690V         A         185         1000V         A         85           Rated operational power AC-1 (T≤40°C)         230V         KW         104         400V         KW         181           500V         A         185         500V         KW         181           500V         KW         104         400V         kW         181           500V         kW         181         500V         kW         199           690V         kW         120         690V         kW         312           IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series         224V         A         275           110V </td <td></td> <td>max</td> <td>Hz</td> <td>400</td>		max	Hz	400
$ \begin{array}{ccccc} AC-1 (≤40^{\circ}C) & A & 275 \\ AC-1 (≤55^{\circ}C) & A & 230 \\ AC-1 (≤70^{\circ}C) & A & 200 \\ AC-3 (≤440V ≤55^{\circ}C) & A & 195 \\ AC-4 (400V) & A & 95 \\ \hline \end{array} \\ \hline $ \\ \hline \end{array} \\ \hline \bigg  \\ \hline \bigg  \hline \rule \\ \hline \bigg  \hline \\ \hline \end{array} \\ \hline \bigg  \\ \hline \bigg  \hline \rule \\ \hline \bigg  \\ \hline \bigg  \\ \hline \bigg  \hline \rule \\ \hline \bigg  \hline \rule \\ \hline \bigg  \hline \rule \\ \hline \bigg  \hline \Biggl  \\ \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \hline \Biggr  \hline \Biggr  \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \hline \Biggr  \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \\ \hline  \\ \hline  \hline \Biggr  \\ \hline  \hline \Biggr  \\ \hline  \\ \\  \\ \hline  \\ \\  \\ \hline  \\ \\  \\ \hline  \\ \\  \\ \\  \\ \\  \\ \\  \\ \\  \\ \\  \\ \\  \\ \\ \\  \\ \\ \\  \\ \\  \\ \\ \\  \\ \\ \\  \\ \\ \\  \\ \\ \\  \\ \\  \\ \\ \\ \\  \\ \\ \\  \\ \\ \\ \\  \\ \\ \\ \\ \\  \\ \\ \\  \\ \\ \\ \\  \\ \\ \\ \\  \\ \\ \\ \\  \\ \\ \\ \\ \\  \\ \\ \\ \\ \\  \\ \\ \\ \\ \\  \\ \\ \\ \\  \\ \\  \\ \\ \\  \\ \\ \\ \\  \\ \\ \\  \\ \\ \\  \\ \\ \\ \\  \\ \\  \\ \\  \\ \\  \\ \\ \\  \\ \\ \\ \\  \\ \\ \\  \\ \\ \\ \\  \\ \\ \\ \\ \\  \\ \\ \\ \\ \\  \\ \\ \\ \\ \\  \\ \\ \\ \\ \\  \\ \\ \\ \\ \\ \\ \\ \\  \\	IEC Conventional free air thermal current Ith		А	275
$ \begin{array}{ccccc} AC-1 (\leq 55^{\circ}C) & A & 230 \\ AC-1 (\leq 70^{\circ}C) & A & 200 \\ AC-3 (\leq 440V \leq 55^{\circ}C) & A & 195 \\ AC-4 (400V) & A & 95 \\ \hline \end{array} \\ \hline $ \\ \hline \end{array} \\ \hline  \\ \hline \end{array} \\ \hline \bigg  \\ \hline \bigg  \hline \rule \\ \hline \bigg  \hline \rule \\ \hline \bigg  \hline \rule \\ \hline \bigg  \\ \hline \rule \\ \hline \Biggr  \\ \hline \bigg  \hline \rule \\ \hline \bigg  \hline \rule \\ \hline \bigg  \hline \rule \\ \hline \Biggr  \\ \hline \Biggr  \\ \hline \rule \\ \hline \Biggr  \\ \hline \Biggr  \hline \rule \\ \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \\ \hline  \hline \Biggr  \hline \Biggr  \\ \hline  \\ \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \\ \hline  \\ \hline  \\ \hline  \hline \Biggr  \\ \hline  \\ \\  \\ \hline  \\ \hline  \\ \\  \\ \hline  \\ \\  \\ \hline  \\ \\  \\ \hline  \\ \\  \\ \\  \\ \\  \\ \\  \\ \\ \\  \\ \\  \\ \\ \\  \\ \\  \\ \\  \\ \\  \\ \\  \\ \\  \\ \\  \\ \\  \\ \\ \\  \\ \\  \\ \\ \\ \\  \\ \\  \\ \\  \\ \\  \\ \\  \\ \\ \\  \\ \\  \\ \\  \\ \\  \\ \\ \\  \\ \\ \\ \\  \\ \\  \\ \\ \\  \\ \\ \\  \\ \\ \\  \\ \\ \\  \\ \\ \\ \\ \\  \\ \\ \\ \\ \\  \\ \\ \\ \\ \\ \\ \\  \\	Operational current le			
$ \begin{array}{ccccc} AC-1 (\leq 55^{\circ}C) & A & 230 \\ AC-1 (\leq 70^{\circ}C) & A & 200 \\ AC-3 (\leq 440V \leq 55^{\circ}C) & A & 195 \\ AC-4 (400V) & A & 95 \\ \hline \end{array} \\ \hline $ \\ \hline \end{array} \\ \hline  \\ \hline \end{array} \\ \hline \bigg  \\ \hline \bigg  \hline \rule \\ \hline \bigg  \hline \rule \\ \hline \bigg  \hline \rule \\ \hline \bigg  \\ \hline \rule \\ \hline \Biggr  \\ \hline \bigg  \hline \rule \\ \hline \bigg  \hline \rule \\ \hline \bigg  \hline \rule \\ \hline \Biggr  \\ \hline \Biggr  \\ \hline \rule \\ \hline \Biggr  \\ \hline \Biggr  \hline \rule \\ \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \hline \Biggr  \\ \hline  \hline \Biggr  \hline \Biggr  \\ \hline  \\ \hline \Biggr  \\ \hline \Biggr  \\ \hline \Biggr  \\ \hline  \\ \hline  \\ \hline  \hline \Biggr  \\ \hline  \\ \\  \\ \hline  \\ \hline  \\ \\  \\ \hline  \\ \\  \\ \hline  \\ \\  \\ \hline  \\ \\  \\ \\  \\ \\  \\ \\  \\ \\ \\  \\ \\  \\ \\ \\  \\ \\  \\ \\  \\ \\  \\ \\  \\ \\  \\ \\  \\ \\  \\ \\ \\  \\ \\  \\ \\ \\ \\  \\ \\  \\ \\  \\ \\  \\ \\  \\ \\ \\  \\ \\  \\ \\  \\ \\  \\ \\ \\  \\ \\ \\ \\  \\ \\  \\ \\ \\  \\ \\ \\  \\ \\ \\  \\ \\ \\  \\ \\ \\ \\ \\  \\ \\ \\ \\ \\  \\ \\ \\ \\ \\ \\ \\  \\		AC-1 (≤40°C)	А	275
$ \begin{array}{ccccc} AC-1 (\leq 70 ^{\circ} \text{C}) & A & 200 \\ AC-3 (\leq 4400 \lor 55 ^{\circ} \text{C}) & A & 195 \\ AC-4 (400V) & A & 95 \\ \hline \\ \text{Rated operational current AC-3 (T \leq 55 ^{\circ} \text{C}) & & & & & & & & & & \\ & & & & & & & & $		. , ,		
$\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       95         Rated operational current AC-3 (T≤55°C)       230V       A       195         400V       A       195       400V       A       195         415V       A       195       440V       A       195         440V       A       195       500V       A       184         690V       A       165       1000V       A       85         Rated operational power AC-1 (T≤40°C)       230V       kW       104         400V       kW       181       500V       kW       199         690V       kW       121       120       220V       kW       312         IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\leq 24V$ A       275         110V       A       120       220V       A       -         IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24V$ A       275         110V       A       120       220V       A       -         IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24V$ A       275		. , ,		195
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		AC-4 (400V)		95
$ \begin{array}{ccccc} 400 & A & 195 \\ 415 & A & 195 \\ 440 & A & 195 \\ 500 & A & 184 \\ 690 & A & 165 \\ 1000 & A & 85 \end{array} \\ \hline \\$	Rated operational current AC-3 (T≤55°C)	, , , , , , , , , , , , , , , , ,		
$ \begin{array}{cccc} 415 & A & 195 \\ 440 & A & 195 \\ 500 & A & 184 \\ 690 & A & 165 \\ 1000 & A & 85 \end{array} \end{array}                               $		230V	А	195
$ \begin{array}{c cccc} 440 & A & 195 \\ 500 & A & 184 \\ 690 & A & 165 \\ 1000 & A & 85 \\ \hline \\ $		400V	А	195
$ \begin{array}{c c c c c c c } & 500V & A & 184 \\ & 690V & A & 165 \\ & 1000V & A & 85 \end{array} \end{array} \\ \hline Rated operational power AC-1 (T \leq 40 ^{\circ} C) \\ & & & & & & & & & & & & & & & & & & $		415V	А	195
$\begin{tabular}{ c c c c c } \hline & & & & & & & & & & & & & & & & & & $		440V	А	195
$\begin{tabular}{ c c c c c c } \hline 1000V & A & 85 \\ \hline Rated operational power AC-1 (T \le 40 ^{\circ} C) & & & & & & & & & & & & & & & & & & $		500V	А	184
Rated operational power AC-1 (T≤40°C) $230V$ kW104 $400V$ kW181 $500V$ kW199 $690V$ kW312IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\leq 24V$ A275 $48V$ A275 $75V$ A275 $110V$ A120 $220V$ A-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24V$ A275 $110V$ A120 $220V$ A-		690V	А	165
$\begin{array}{cccc} 230 & kW & 104 \\ 400 & kW & 181 \\ 500 & kW & 199 \\ 690 & kW & 312 \end{array}$ $\begin{array}{cccc} \text{IEC max current le in DC1 with L/R \leq 1ms with 1 poles in series} & & & & \\ & \leq 24V & A & 275 \\ & 48V & A & 275 \\ & 75V & A & 275 \\ & 110V & A & 120 \\ & 220V & A & - \end{array}$ $\begin{array}{cccc} \text{IEC max current le in DC1 with L/R \leq 1ms with 2 poles in series} & & & \\ & \leq 24V & A & 275 \\ & 110V & A & 120 \\ & 220V & A & - \end{array}$		1000V	А	85
$ \begin{array}{c c} 400 \lor & k \cr & 181 \\ 500 \lor & k \cr & 199 \\ 690 \lor & k \cr & 312 \end{array} \end{array} $ IEC max current le in DC1 with L/R < 1ms with 1 poles in series $ \begin{array}{c c} \leq 24 \lor & A & 275 \\ 48 \lor & A & 275 \\ 75 \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} \leq 24 \lor & A & 275 \\ 110 \lor & A & 120 \\ 220 \lor & A & - \end{array} $	Rated operational power AC-1 (T≤40°C)			
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		230V	kW	104
$ \begin{array}{c c c c c c c c c } \hline 690V & kW & 312 \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 1 poles in series} \\ & \le 24V & A & 275 \\ & 48V & A & 275 \\ & 48V & A & 275 \\ & 75V & A & 275 \\ & 110V & A & 120 \\ & 220V & A & - \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 2 poles in series} \\ & \le 24V & A & 275 \\ \hline \end{array} $		400V	kW	181
IEC 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 $\leq 24V$ A275		500V	kW	199
$ \begin{array}{cccc} \leq 24 & \mbox{A} & 275 \\ 48 & \mbox{A} & 275 \\ 75 & \mbox{A} & 275 \\ 75 & \mbox{A} & 275 \\ 110 & \mbox{A} & 120 \\ 220 & \mbox{A} & - \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 2 poles in series} \\ \end{array} $		690V	kW	312
$ \begin{array}{cccc} 48 V & A & 275 \\ 75 V & A & 275 \\ 110 V & A & 120 \\ 220 V & 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 & 275 \end{array} $	IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
$ \begin{array}{ccc} 75 \ensuremath{\mathbb{V}} & \ensuremath{\mathbb{A}} & 275 \\ 110 \ensuremath{\mathbb{V}} & \ensuremath{\mathbb{A}} & 120 \\ 220 \ensuremath{\mathbb{V}} & \ensuremath{\mathbb{A}} & \mathbb$		≤24V	А	275
$\begin{tabular}{ccc} 110V & A & 120 \\ 220V & A & - \end{tabular} \end{tabular}$ IEC max current le in DC1 with L/R $\leq$ 1ms with 2 poles in series $\end{tabular} \le 24V & A & 275 \end{tabular}$		48V	А	275
220V         A         -           IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series         ≤24V         A         275		75V	А	275
IEC max current le in DC1 with L/R $\leq$ 1ms with 2 poles in series $\leq$ 24V A 275		110V	А	120
≤24V A 275		220V	А	_
	IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
48V A 275		≤24V	А	275
		48V	А	275
75V A 275			А	
110V A 170			А	
220V A 150		220V	Α	150
IEC max current le in DC1 with L/R $\leq$ 1ms with 3 poles in series	IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
≤24V A 275		≤24V	А	275
48V A 275		48V	А	275
75V A 275		75V	А	275



**BF195T4E024** FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 275A, AC/DC COIL, 24...60VAC - 20...60VDC

	110V	А	170
	220V	A	150
	330V	A	150
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
· · · · ·	≤24V	А	275
	48V	A	275
	75V	A	275
	110V	А	275
	220V	А	275
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	≤24V	А	275
	48V	А	275
	75V	А	180
	110V	A	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	A	180
	110V	A	140
	220V	A	100
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 3 poles in series			
	≤24V	А	275
	48V	A	275
	75V	A	180
	110V	A	160
	220V	A	140
	330V	A	100
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 4 poles in series			
	≤24V	А	275
	48V	A	275
	75V	A	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)	A	250
Making capacity (RMS value)	. /	А	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)			
,	Ith	W	13
	AC-3	W	6.7
Tightening torque for terminals			
	min	Nm	18
	max	Nm	18
	min	Ibin	159
	max	Ibin	159



Tightening torque for coil terminal

**BF195T4E024** FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 275A, AC/DC COIL, 24...60VAC - 20...60VDC

		min	Nm	0.8
Devices to make all a sector of		max	Nm	1
	ion according to IEC/EN 60529			IP00
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw
Weight			g	4000
Operations				
Mechanical life			cycles	1000000
Electrical life			cycles	1000000
Safety related data			ý	
	d according to EN/ISO 13489-1			
		rated load	cycles	1000000
EMC compatibility			0,0100	
AC coil operating				yes
Rated AC voltage at 50	איטטרוב, טערוב		\ <i>\</i>	
		min	V	24
		max	V	60
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			
	h.e., eh	min	%Us	80 Us min
		max	%Us	110 Us max
	drop-out	Пал	/003	110 03 110
	diop-out		%Us	≤70 Us min
10		max	%US	≤70 US MIN
AC average coil consu				
	of 50/60Hz coil powered at 50Hz	<u> </u>		400
		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	5	W	1.53.0
DC coil operating				
DC rated control voltag				
	,~	min	V	20
			V	60
DC aparating		max	v	00
DC operating voltage				
	pick-up	<u> </u>		
		min	%Us	85 Us min
		max	%Us	110 Us max

OVE electric ENERGY AND AUTOMATION

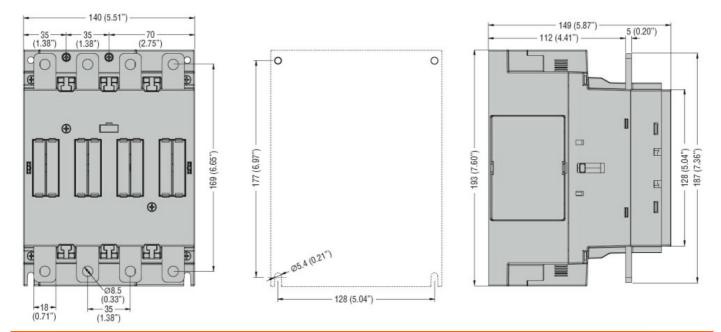
FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 275A, AC/DC COIL,

24...60VAC - 20...60VDC

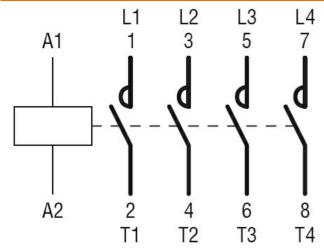
BF195T4E024

	drop-out			
Average coil consump	tion < 20°C	max	%Us	≤70 Us min
Average con consump		in-rush	W	160230
		holding	Ŵ	1.53.0
Max cycles frequency		Tolding		1.00.0
Mechanical operation			cycles/h	1000
Operating times			-,	
Average time for Us co	ntrol			
Ū	in AC			
	Closing NO			
		min	ms	50
		max	ms	100
	Opening NO			
		min	ms	35
		max	ms	75
UL technical data				
Yielded mechanical pe				
	for three-phase AC motor	000/0001/		
		200/208V	HP	60
		220/230V	HP	75
		460/480V	HP	150
General USE		575/600V	HP	150
General USE	Contactor			
	Contactor	AC current	А	275
Short-circuit protection	fuse 600V	At cancia	Λ	215
enert enert protoction	High fault			
	- Ingritadit	Short circuit current	kA	100
		Fuse rating	A	400
		Fuse class		J
	Standard fault			
		Short circuit current	kA	10
		Fuse rating	А	400
		Fuse class		RK5
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-40
	-	max	°C	70
	Storage temperature		• •	
		min	°C	-50
		max	<u>°C</u>	80
Max altitude			m	3000
Resistance & Protection				3
Pollution degree				ა 
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	
Certificates		
	cULus	
ETIM classification		
		EC000066 -
		Dower contector

Power contactor, AC switching

ETIM 8.0