



Contact characteristicsNumber of polesNr. 4Number of polesNr. 4Rated insultation voltage UI IEC/ENVOperational frequencyminHz25maxHzHz400IEC Conventional frequencyA32Operational current leOperational current leAAC-1 (≤40°C)AAC-1 (≤40°C)A<	Product designation			Power contactor
Number of polesNr.4Rated insulation voltage Ui IEC/ENV690Operational frequencyminHz25Operational frequencyminHz400IEC Conventional free air thermal current IthA32Operational current IeAC-1 (≤40°C)A32AC-1 (≤55°C)A26AC-1 (≤55°C)A26AC-3 (≤440V A8.588Rated operational power AC-1 (T≤40°C)230VkW12400VkW21500VkW26690VkW21500VkW26690VkW26690VkW36IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series≤24VA1575VA15110VA6220VA-111IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series≤24VA2075VA2075VA20110VA6220VA1IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series≤24VA22220VA11220VA1IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series≤24VA22220VA1116220VA1IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series≤24VA2275VA20110V <td>Product type designation</td> <td></td> <td></td> <td>BF18</td>	Product type designation			BF18
Rated insulation voltage U IEC/ENV690Rated insulation voltage UimpkV6Operational frequencyminHz25iEC conventional frequencyminHz400IEC conventional current lthA32Operational current leA32AC-1 (≤40°C)A32AC-1 (≤40°C)A26AC-1 (≤40°C)A26AC-1 (≤40°C)A26AC-3 (≤440∨ ≤55°C)A18AC-4 (400∨)A8.5Rated operational power AC-1 (T≤40°C)230∨kWAC-3 (≤440∨ ≤55°C)A18AC-4 (400∨)A8.5Rated operational power AC-1 (T≤40°C)230∨kWAC-4 (400∨)A15FibS24∨A1748∨A1575∨A15110∨A6220∨A1IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series≤24∨A≤24∨A2075∨A20110∨A13220∨A1IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series≤24∨A≤24∨A2275∨A20110∨A16220∨A11IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series≤24∨A≤24∨A2275∨A20110∨A <td></td> <td></td> <td></td> <td></td>				
Rated impulse withstand voltage UimpkV6Operational frequencyminHz25maxHz400IEC Conventional free air thermal current lthA32Operational current leAC-1 (≤40°C)A32AC-1 (≤55°C)A26AC-1 (≤55°C)A18AC-3 (≤440V)55°C)A18AC-4 (400V)A8.5Rated operational power AC-1 (T≤40°C)230VkW12400VkW21500VkW26690VkW3636IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series524VA1748VA1575VA15110VA6220VA-16220VA-16220VA20110VA82075VA20110VA13220VA116220VA116220VA116220VA1110VA16220VA1116220VA1110VA16220VA1116220VA1111275VA20110VA16220VA11111111111111111111111111 </td <td></td> <td></td> <td></td> <td></td>				
Operational frequencyminHz25 maxmaxHz400IEC Conventional free air thermal current lthA32Operational current leAC-1 (st0°C)A32 AC-1 (st5°C)A C-1 (st0°C)A23 AC-3 (st400v st5°C)A18 AC-3 (st40v st5°C)Rated operational power AC-1 (T≤40°C)230VkW12 400VBated operational power AC-1 (T≤40°C)230VkW12 400VConverter le in DC1 with L/R ≤ 1ms with 1 poles in series\$24VA17 48VIEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series\$24VA20 48VIEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series\$24VA20 48VIEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series\$24VA20 110VAIEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series\$24VA20 20 110VAIEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series\$24VA22 75VA22 20IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series\$24VA22 75VA22 20IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series\$24VA22 75VA22 75VA22 75VA22 75VA22 75VA22 75VA22 75VA22 75VA22 75VA22 75VA22 75VA22 75VA22 75V				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			kV	6
max         Hz         400           IEC conventional free air thermal current lth         A         32           Operational current le         AC-1 (≤40°C)         A         32           AC-1 (≤55°C)         A         32         AC-1 (≤55°C)         A         32           AC-1 (≤40°C)         A         32         AC-1 (≤55°C)         A         32           AC-3 (≤55°C)         A         18         AC-4 (400V)         A         35           Rated operational power AC-1 (T≤40°C)         230V         kW         12         400V         kW         21           600V         kW         21         500V         kW         26         690V         kW         26           600V         kW         21         500V         kW         26         690V         kW         26           600V         kW         A         15         110V         A         6           220V         A         15         110V         A         6           220V         A         1         1         1         1           IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series         ≤24V         A         22           48V	Operational frequency			<u></u>
IEC Conventional free air thermal current IthA32Operational current leAC-1 (≤40°C)A32AC-1 (≤55°C)A26AC-1 (≤70°C)A23AC-3 (≤440V ≤55°C)A18AC-4 (400V)A8.5Rated operational power AC-1 (T≤40°C)230VkW12400VkW21500VkW26500VkW26690VkW36IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series≤24VA1748VA1575VA1575VA1575VA201EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series≤24VA20220VA-110VA13220VA1110VA13220VA1IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series≤24VA222648VA2210VA16220VA111IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series≤24VA222275VA20110VA16220VA111111111111111111111111111111111111				
Operational current leAC-1 (≤40°C)A32AC-1 (≤55°C)A26AC-1 (≤70°C)A23AC-3 (≤440V <55°C)		max		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			A	32
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Operational current le			
$\begin{array}{cccccccccccccccccccccccccccccccccccc$				
AC-3 (s440V ≤55°C)       A       18         AC-4 (400V)       A       8.5         Rated operational power AC-1 (T≤40°C)       230V       kW       12         400V       kW       21       500V       kW       26         690V       kW       36       36       36       36         IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series       ≤24V       A       17       48V       A       15         110V       A       6       220V       A       -       36       36         IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series       ≤24V       A       20       48V       A       20         110V       A       6       220V       A       -       36       36       36         IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series       ≤24V       A       20       30       36       32       36       36       36       36       36       36       36       36       37       37       4       20       37       37       4       20       37       37       4       20       37       37       4       20       37       37       4       20       37		· · · · · ·		
AC-4 (400V)       A       8.5         Rated operational power AC-1 (T≤40°C)       230V       kW       12         400V       kW       21       500V       kW       26         690V       kW       36       36       36         IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series       \$24V       A       17         48V       A       15       75V       A       15         110V       A       6       220V       A       -         IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series       \$24V       A       20         48V       A       20       75V       A       15         110V       A       6       220V       A       -         IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series       \$24V       A       20         10V       A       13       220V       A       1         IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series       \$24V       A       22         48V       A       22       75V       A       20         110V       A       16       220V       A       11         IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in s				
Rated operational power AC-1 (T≤40°C)230VkW12400VkW21500VkW26690VkW36IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $≤24V$ A1575VA15110VA6220VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $≤24V$ A20048VA2075VA20100VA13220VA1IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $≤24V$ A220VA1IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $≤24V$ A220VA1IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series $≤24V$ A220VA11IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series $≤24V$ A220VA11IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series $≤24V$ A220VA11IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series $≤24V$ A220VA11IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series $≤24V$ A220VA11IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series $≤24V$ A220VA11IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series </td <td></td> <td></td> <td></td> <td></td>				
$\begin{array}{c} 230 \lor k \Downarrow 12 \\ 400 \lor k \lor 21 \\ 500 \lor k \lor 26 \\ 690 \lor k \lor 36 \end{array}$ IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\begin{array}{c} \leq 24 \lor A & 17 \\ 48 \lor A & 15 \\ 75 \lor A & 15 \\ 110 \lor A & 6 \\ 220 \lor A & - \end{array}$ IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\begin{array}{c} \leq 24 \lor A & 20 \\ 48 \lor A & 20 \\ 75 \lor A & 20 \\ 48 \lor A & 20 \\ 75 \lor A & 20 \\ 110 \lor A & 13 \\ 220 \lor A & 1 \end{array}$ IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\begin{array}{c} \leq 24 \lor A & 22 \\ 48 \lor A & 22 \\ 75 \lor A & 20 \\ 110 \lor A & 13 \\ 220 \lor A & 1 \end{array}$ IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\begin{array}{c} \leq 24 \lor A & 22 \\ 48 \lor A & 22 \\ 75 \lor A & 20 \\ 110 \lor A & 16 \\ 220 \lor A & 11 \end{array}$ IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series $\begin{array}{c} \leq 24 \lor A & 22 \\ 48 \lor A & 22 \\ 75 \lor A & 20 \\ 110 \lor A & 16 \\ 220 \lor A & 11 \end{array}$		AC-4 (400V)	A	8.5
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Rated operational power AC-1 (1540°C)	000)/	1.1.47	40
$ \begin{array}{c c c c c c c } \hline & 500V & kW & 26 \\ \hline & 690V & kW & 36 \\ \hline \hline & & & & & & & & & & & & & & & & &$				
$ \begin{array}{c c c c c c c } \hline 690V & kW & 36 \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 1 poles in series \\ \hline \leq 24V & A & 17 \\ 48V & A & 15 \\ 75V & A & 15 \\ 110V & A & 6 \\ 220V & A & - \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 2 poles in series \\ \hline \leq 24V & A & 20 \\ 48V & A & 20 \\ 75V & A & 20 \\ 110V & A & 13 \\ 220V & A & 1 \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series \\ \hline \hline IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series \\ \hline \hline IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series \\ \hline \hline IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series \\ \hline \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \hline IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \hline IEC max current le in DC1 wit$				
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\leq 24V$ A1748VA1575VA15110VA6220VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24V$ A2048VA2075VA20110VA13220VA1IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A2248VA2275VA20110VA16220VA11IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series $\leq 24V$ A2275VA20110VA16220VA11IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series $\leq 24V$ A2275VA20110VA16220VA2275VA20110VA2275VA20110VA2275VA20110VA18				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	IFC may autrent to in DC1 with L/D < 1 ma with 1 palas in series	690 v	KVV	30
$\begin{array}{ccccc} 48V & A & 15\\ 75V & A & 15\\ 110V & A & 6\\ 220V & A & -\end{array} \\ \hline \begin{tabular}{lllllllllllllllllllllllllllllllllll$	The contact current le in DCT with $L/R \leq 100$ with 1 poles in series	<241	٨	47
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				
$\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 $\leq 24V$ A20 $48V$ A20 $75V$ A20 $110V$ A13 $220V$ A1IEC max current le in DC1 with L/R < 1ms with 3 poles in series				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	IEC may current le in DC1 with $L/R < 1$ ms with 2 notes in series	220 V	~	
$ \begin{array}{ccccc} & 48V & A & 20 \\ & 75V & A & 20 \\ & 110V & A & 13 \\ & 220V & A & 1 \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} & \\ & \leq 24V & A & 22 \\ & 48V & A & 22 \\ & 75V & A & 20 \\ & 110V & A & 16 \\ & 220V & A & 11 \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 4 poles in series} & \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 4 poles in series} & \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 4 poles in series} & \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 4 poles in series} & \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 4 poles in series} & \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 4 poles in series} & \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 4 poles in series} & \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 4 poles in series} & \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 4 poles in series} & \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 4 poles in series} & \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 4 poles in series} & \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 4 poles in series} & \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 4 poles in series} & \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 4 poles in series} & \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 4 poles in series} & \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 4 poles in series} & \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 4 poles in series} & \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 4 poles in series} & \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 4 poles in series} & \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 4 poles in series} & \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 4 poles in series} & \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 4 poles in series} & \\ \hline IEC max current le in DC1 with L/R \le 1ms with 4 poles in series & \\ \hline \mbox{IEC max current l$		<2/1/	Δ	20
$ \begin{array}{c cccc} 75 & A & 20 \\ 110 & A & 13 \\ 220 & A & 1 \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ \hline & & & & & & & & & & & & & & & & & &$				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				
$\begin{array}{c c c c c c c } 220 & A & 1 \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ & \leq 24 V & A & 22 \\ & 48 V & A & 22 \\ & 48 V & A & 22 \\ & 75 V & A & 20 \\ & 110 V & A & 16 \\ & 220 V & A & 11 \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 4 poles in series} \\ & \leq 24 V & A & 22 \\ & 48 V & A & 22 \\ & 48 V & A & 22 \\ & 48 V & A & 22 \\ & 75 V & A & 20 \\ & 110 V & A & 18 \\ \hline \end{array}$				
IEC max current le in DC1 with L/R $\leq$ 1ms with 3 poles in series $\leq 24V$ A2248VA2275VA20110VA16220VA11IEC max current le in DC1 with L/R $\leq$ 1ms with 4 poles in series $\leq 24V$ A2248VA2248VA2275VA20110VA18				
$ \begin{array}{c cccc} \leq 24 & A & 22 \\ 48 & A & 22 \\ 75 & A & 20 \\ 110 & A & 16 \\ 220 & A & 11 \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 4 poles in series} \\ \hline \mbox{$\le 22V$ A $ 11$} \\ \hline \mbox{$\le 24V$ A $ 22$} \\ 48 & A $ 22$ \\ 75 & A $ 20$ \\ 110 & A $ 18$ \\ \hline \mbox{$10V$ A $ 18$} \end{array} $	IFC max current le in DC1 with $L/R \le 1$ ms with 3 notes in series	2201		
$\begin{array}{ccccc} 48 V & A & 22 \\ 75 V & A & 20 \\ 110 V & A & 16 \\ 220 V & A & 11 \end{array}$ IEC max current le in DC1 with L/R $\leq$ 1ms with 4 poles in series $\begin{array}{cccccccccccccccccccccccccccccccccccc$		<24\/	Δ	22
$\begin{array}{c cccc} 75 & A & 20 \\ 110 & A & 16 \\ 220 & A & 11 \end{array}$ IEC max current le in DC1 with L/R $\leq$ 1ms with 4 poles in series $\begin{array}{c ccccccccccccccccccccccccccccccccccc$				
$\begin{array}{c cccc} & 110 V & A & 16 \\ 220 V & A & 11 \end{array}$ IEC max current le in DC1 with L/R < 1ms with 4 poles in series $\begin{array}{c ccccccccccccccccccccccccccccccccccc$				
220V         A         11           IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series         ≤24V         A         22           48V         A         22           75V         A         20           110V         A         18				
IEC max current le in DC1 with L/R < 1ms with 4 poles in series $\leq 24V$ A2248VA2275VA20110VA18				
≤24V A 22 48V A 22 75V A 20 110V A 18	IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series	2201		
48V A 22 75V A 20 110V A 18		≤24\/	А	22
75V A 20 110V A 18				
110V A 18				
		220V	A	13



**BF18T4D012** FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 32A, DC COIL, 12VDC

IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series ≤24V А 12 48V А 11 75V А 11 110V 2 А 220V А IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series ≤24V А 15 48V А 13 75V А 13 110V 8 А 220V А 2 IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series ≤24V А 18 48V А 18 75V А 16 110V А 12 220V А 6 IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series ≤24V А 18 48V А 18 75V А 16 110V А 13 220V А 8 Short-time allowable current for 10s (IEC/EN60947-1) А 200 Protection fuse gG (IEC) А 32 aM (IEC) А 20 Making capacity (RMS value) А 180 Breaking capacity at voltage 440V А 144 500V А 120 690V А 94 Resistance per pole (average value) mΩ 2.5 Power dissipation per pole (average value) W 2.6 lth AC-3 W 0.8 Tightening torque for terminals min Nm 1.5 Nm max 1.8 min lbin 1.1 max Ibin 1.5 Tightening torque for coil terminal 0.8 Nm min Nm max 1

	max	lbin	0.74
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	max		10
Flexible w/o lug conductor section			
	min	mm²	1

min

lbin

0.8



FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 32A, DC COIL, 12VDC

BF18T4D012

		max	mm²	6
	Flexible c/w lug conductor section	max		<u> </u>
	-	min	mm²	1
		max	mm²	4
	Flexible with insulated spade lug conductor secti		2	
		min	mm²	1
		max	mm²	4 IP20 when
Power terminal protect	tion according to IEC/EN 60529			properly wired
Mechanical features				
Operating position				
		normal allowable		Vertical plan ±30°
Fixing				Screw / DIN rail 35mm
Weight			g	496
Conductor section				
	AWG/kcmil conductor section			
Operations		max		10
Operations Mechanical life			cycles	2000000
Electrical life			cycles	1600000
Safety related data			0yole3	1000000
	Dd according to EN/ISO 13489-1			
	-	rated load	cycles	1600000
		mechanical load	cycles	20000000
	ng to IEC/EN 609474-4-1			yes
EMC compatibility				yes
DC coil operating DC rated control voltage			V	12
DC operating voltage			v	12
	pick-up			
		min	%Us	70
		max	%Us	125
	drop-out			
		min	%Us	10
Average coil consump	tion <20°C	max	%Us	40
Average con consump		in-rush	W	5.4
		holding	W	5.4
Max cycles frequency		<u> </u>		-
Mechanical operation			cycles/h	3600
Operating times				
Average time for Us co				
	in AC Closing NO			
		min	ms	8
		max	ms	24
	Opening NO			
		min	ms	10
	<b>.</b>	max	ms	20
	Closing NC		<b>m</b> a	1.4
		min	ms	14 28
		max	ms	20

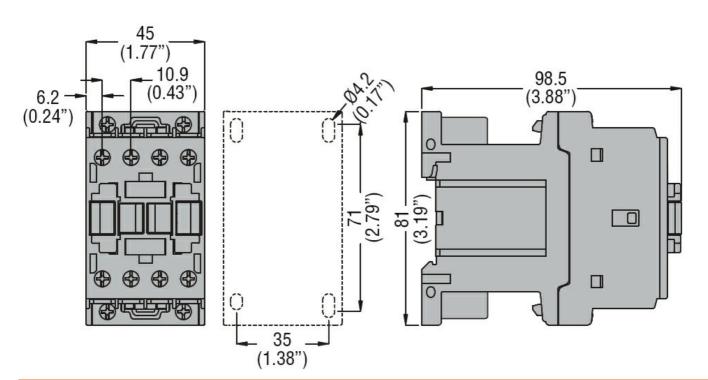


FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 32A, DC COIL, 12VDC

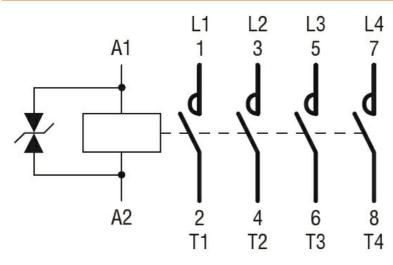
BF18T4D012

## **Opening NC** 7 min ms max ms 18 in DC **Closing NO** min ms 54 66 max ms **Opening NO** min ms 14 17 max ms UL technical data Full-load current (FLA) for three-phase AC motor at 480V 14 А at 600V А 17 Yielded mechanical performance for single-phase AC motor 110/120V HP 1 ΗP 230V 3 for three-phase AC motor 200/208V HP 5 220/230V ΗP 5 460/480V HP 10 575/600V HP 15 General USE Contactor AC current 32 А Short-circuit protection fuse, 600V High fault Short circuit current kΑ 100 Fuse rating А 60 Fuse class J Standard fault Short circuit current kΑ 5 Fuse rating А 80 Ambient conditions Temperature Operating temperature °C -50 min °C 70 max Storage temperature °C -60 min °C 80 max Max altitude 3000 m Resistance & Protection 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	
Certificates		
	CCC	
	cULus	
	EAC	
ETIM classification		
ETIM 8.0		EC000066 - Power contactor, AC switching