BF4000A048



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 40A, AC COIL 50/60HZ, 48VAC



Product type designation BF40 Contact characteristics Nr. 3 Number of poles Nr. 3 Rated insulation voltage Ui IEC/EN V 1000 Rated impulse withstand voltage Uimp kV 8 Operational frequency min Hz 25 max Hz 400 25 EC Conventional free air thermal current Ith A 70 Operational current le AC-1 (≤40°C) A 70 AC-1 (≤70°C) A 50 AC-1 (≤70°C) A 50 AC-1 (≤70°C) A 50 AC-4 (400V) A 24 Rated operational power AC-3 (T≤55°C) XW 11 400V kW 18.5 415V kW 22 440V kW 22 500V kW 22 690V kW 30 1000V kW 30				
Product type designation BF40 Contact of haracteristics V Vumber of poles Nr. 3 Rated insulation voltage Uinp kV 8 Operational frequency min Hz 25 EC Conventional free air thermal current Ith A 70 Diperational current le AC-1 (≤40°C) A 70 AC-1 (≤55°C) A 60 AC-1 (≤55°C) A 60 AC-3 (≤4400 V S55°C) A 40 AC-2 (<400V) A 24 Rated operational power AC-3 (T≤55°C) 230V kW 11 400V kW 18,5 415V KW 22 690V kW 22 690V kW 23 Rated operational current AC-3 (T≤55°C) 230V K 40	Product designation			Power contacto
Contact characteristics Nr. 3 Number of poles Nr. 3 Rated insulation voltage Ui IEC/EN V 1000 Rated insulation voltage Uimp kV 8 Operational frequency min Hz 25 max HZ 400 26 EC Conventional free air thermal current Ith A 70 Operational current Ie AC-1 (≤40°C) A 70 AC-1 (≤55°C) A 60 AC-1 (≤40°C) A 70 AC-3 (≤440V ≤55°C) A 40 AC-4 (400V) A 24 Rated operational power AC-3 (T≤55°C) 230V KW 11 400V kW 22 Gold kW 30 30 30 30 31 Rated operational current AC-3 (T≤55°C) 230V KW 21 440V kW 22 SoOV kW 30 33 690V 32 33 690V 32 1000V A 21 230V				BF40
Rated insulation voltage Ui IEC/EN V 1000 Rated inpulse withstand voltage Uimp kV 8 Operational frequency min Hz 25 max Hz 400 400 EC conventional free air thermal current Ith A 70 Operational current le AC-1 (\$40°C) A 70 AC-1 (\$55°C) A 60 AC-1 (\$55°C) A 60 AC-1 (\$55°C) A 60 AC-1 (\$55°C) A 60 AC-4 (400V) A 24 AC-4 (400V) A 24 Rated operational power AC-3 (T≤55°C) 230V KW 11 400V KW 22 500V kW 22 500V kW 30 1000V XW 30 Rated operational current AC-3 (T≤55°C) 230V K 40 <t< td=""><td>Contact characteristics</td><td></td><td></td><td></td></t<>	Contact characteristics			
Rated impulse withstand voltage Uimp kV 8 Operational frequency min Hz 25 EC Conventional free air thermal current lth A 70 Operational current le A 70 Conventional current le A 70 AC-1 (≤55°C) A 60 AC-1 (≤55°C) A 60 AC-3 (S440V) S55°C) A Rated operational power AC-3 (T≤55°C) 230V kW Rated operational current AC-3 (T≤55°C) 230V A Rated operational current AC-3 (T≤55°C) 230V A Rated operational power AC-1 (T≤40°C) 230V A Rated operational power AC-1 (T≤40°C) 230V A EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series 24V A S20V	Number of poles		Nr.	3
Depretational frequency min Hz 25 max Hz 400 EC Conventional free air thermal current lth A 70 Depretational current le AC-1 (\$40°C) A 70 AC-1 (\$55°C) A 60 AC-1 (\$55°C) A 60 AC-1 (\$40°C) A 50 AC-3 (\$440V \$55°C) A 40 Rated operational power AC-3 (T≤55°C) 230V kW 11 400V kW 18.5 415V kW 22 500V kW 22 690V kW 30 Rated operational current AC-3 (T≤55°C) 230V kW 11 400V kW 22 690V kW 30 Rated operational current AC-3 (T≤55°C) 230V kW 40 40V A 40 400V kW 30 30 30 30 30 Rated operational current AC-3 (T≤55°C) 230V A 40 40V A 40 415V A <td>Rated insulation voltage Ui IEC/EN</td> <td></td> <td>V</td> <td>1000</td>	Rated insulation voltage Ui IEC/EN		V	1000
min Hz 25 max Hz 400 EC Conventional free air thermal current lth A 70 Operational current le AC-1 (≤40°C) A 70 AC-1 (≤55°C) A 60 AC-1 (≤70°C) A 50 AC-3 (≤440V ≤55°C) A 40 AC-3 (≤440V ≤55°C) A 40 Rated operational power AC-3 (T≤55°C) 230V KW 11 400V KW 18.5 415V KW 22 500V KW 22 690V KW 30 Rated operational current AC-3 (T≤55°C) 230V KW 14.5V KW 22 690V KW 30 1000V KW 30 Rated operational current AC-3 (T≤55°C) 230V A 40 415V A 40 415V A 415V KW 22 500V KW 30 Rated operational current AC-3 (T≤55°C) 230V A 40 40V A 40 415V A 40 40V A 40	Rated impulse withstand voltage Uimp		kV	8
maxHz400EC Conventional free air thermal current lthA70Operational current leAC-1 (≤40°C)A70AC-1 (≤55°C)A60AC-1 (≤55°C)A50AC-3 (≤440V)S5°C)A40AC-4 (400V)A24Rated operational power AC-3 (T≤55°C)230VKW11400VKW18.5415VKW22440VKW22500VKW30Convertional current AC-3 (T≤55°C)230VKW30301000VKW30Rated operational current AC-3 (T≤55°C)230VA4050690VKW79EC690VKW79EC690VKW79EC690VKW75690V404840484048404840484048404840484048404840484048 <t< td=""><td>Operational frequency</td><td></td><td></td><td></td></t<>	Operational frequency			
EC Conventional free air thermal current lth A 70 Derational current le AC-1 (s40°C) A 70 AC-1 (s55°C) A 60 AC-1 (s70°C) A 50 AC-3 (s440V s55°C) A 40 AC-3 (s440V s55°C) A 40 AC-4 (400V KW 18.5 415V KW 22 500V kW 22 500V kW 22 690V kW 30 1000V kW 30 Rated operational current AC-3 (T≤55°C) 230V A 40 440V A 40 415V A 40 415V A 40 415V A 40 415V A 40 500V A 33 690V A 32 1000V A 21 Rated operational power AC-1 (T≤40°C) EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\leq 24V$ A 40 48V A 35 75V A 30 110V A 8 220V A - EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series		min	Hz	25
Operational current le AC-1 (s40°C) A 70 AC-1 (s55°C) A 60 AC-3 (s440V s55°C) A 40 AC-4 (400V) A 24 Rated operational power AC-3 (T≤55°C) 230V kW 11 400V kW 18.5 415V kW 22 40V kW 22 690V kW 30 Rated operational current AC-3 (T≤55°C) 230V kW 22 690V kW 30 Rated operational current AC-3 (T≤55°C) 230V A 40 400V A 40 415V kW 30 <t< td=""><td></td><td>max</td><td>Hz</td><td>400</td></t<>		max	Hz	400
AC-1 (≤40°C) A 70 AC-1 (≤40°C) A 60 AC-1 (≤5°C) A 60 AC-1 (≤70°C) A 50 AC-3 (≤440∨ 55°C) A 40 AC-4 (400V) A 24 Rated operational power AC-3 (T≤55°C) 230V kW 11 400V kW 18.5 415V kW 22 40V kW 22 500V kW 22 500V kW 22 690V kW 30 Rated operational current AC-3 (T≤55°C) 230V A 40 400V kW 30 30 30 Rated operational current AC-3 (T≤55°C) 230V A 40 415V A 40 40V A 410V A 40 40V A 415V A 40 40V A 400V A 40 40V A 40 400V A 21 230V KW 26 400V 40V 40V 4	IEC Conventional free air thermal current Ith		А	70
AC-1 (≤55°C) A 60 AC-1 (≤70°C) A 50 AC-3 (≤440V ≤55°C) A 40 AC-4 (dov) A 24 Rated operational power AC-3 (T≤55°C) 230V kW 11 400V kW 18.5 415V kW 22 400V kW 22 690V kW 30 Rated operational current AC-3 (T≤55°C) 230V kW 22 690V kW 30 Rated operational current AC-3 (T≤55°C) 230V A 40 400V A 40 400V A 40 400V A 40 400V A 40 415V A 40 400V A 40 40 40V A 40 50V KW 26 400V kW 23V kW	Operational current le			
AC-1 (≤70°C) A 50 AC-3 (≤440V ≤55°C) A 40 AC-4 (400V) A 24 Rated operational power AC-3 (T≤55°C) 230V kW 11 400V kW 18.5 415V kW 22 60V kW 22 60V kW 22 60V kW 30 1000V kW 30 1000V kW 30 1000V kW 30 1000V A 40 415V A 40 415V A 40 400V A 40 415V A 40 400V A 40 415V A 40 440V A 40 500V A 33 690V A 32 1000V A 21 Rated operational power AC-1 (T≤40°C) 230V kW EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series 524V A		AC-1 (≤40°C)	А	70
AC-3 (s440V ≤55°C) A 40 AC-4 (400V) A 24 Rated operational power AC-3 (T≤55°C) 230V kW 11 400V kW 18.5 415V kW 22 415V kW 22 500V kW 22 690V kW 30 1000V kW 30 Rated operational current AC-3 (T≤55°C) 230V A 40 415V A 40 400V A 40 416V A 40 400V A 40 400V A 21 33 690V KW 46 500V kW 26 400V 40 40 40V 8		AC-1 (≤55°C)	А	60
AC-4 (400V) A 24 Rated operational power AC-3 (T≤55°C) 230V kW 11 400V kW 18.5 415V kW 22 415V kW 22 440V kW 22 500V kW 22 500V kW 22 690V kW 30 1000V kW 30 Rated operational current AC-3 (T≤55°C) 230V A 40 440V A 40 440V A 40 440V A 40 440V A 40 440V A 40 440V A 40 440V A 40 500V A 32 1000V A 21 230V KW 26 400V KW 46 500V kW 58 690V kW 79 22 22 22 EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series \$24V A 40 48V A 35 75V A <td< td=""><td></td><td>AC-1 (≤70°C)</td><td>А</td><td>50</td></td<>		AC-1 (≤70°C)	А	50
Rated operational power AC-3 (T≤55°C) 230V kW 11 400V kW 18.5 415V kW 22 440V kW 22 500V kW 22 690V kW 30 1000V kW 30 Rated operational current AC-3 (T≤55°C) 230V A 40 440V A 40 415V A 40 440V A 40 415V A 40 440V A 40 415V A 40 440V A 40 440V A 40 440V A 40 500V A 32 1000V A 21 230V kW 26 400V KW 26 690V kW 58 690V KW 28 690V kW 79 EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 40 48V A 35 75V A 30 <t< td=""><td></td><td>AC-3 (≤440V ≤55°C)</td><td>А</td><td>40</td></t<>		AC-3 (≤440V ≤55°C)	А	40
230V kW 11 400V kW 18.5 415V kW 22 440V kW 22 690V kW 30 Rated operational current AC-3 (T≤55°C) 230V A 40 440V kW 30 30 Rated operational current AC-3 (T≤55°C) 230V A 40 440V A 40 415V A 40 440V A 40 415V A 40 440V A 40 400V A 40 440V A 40 500V KW 21 Rated operational power AC-1 (T≤40°C) 230V kW 46 500V kW 58 690V kW 58 690V kW 58 690V kW 79 EC max cur		AC-4 (400V)	А	24
400V kW 18.5 415V kW 22 440V kW 22 500V kW 22 690V kW 30 Rated operational current AC-3 (T≤55°C) 230V A 40 415V A 40 410V KW 30 Rated operational current AC-3 (T≤55°C) 230V A 40 415V A 40 440V A 33 690V A 32 1000V A 21 Rated operational power AC-1 (T≤40°C) EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series \$24V A 40 48V A 35 \$75V A 30	Rated operational power AC-3 (T≤55°C)			
415V kW 22 440V kW 22 500V kW 22 690V kW 30 Rated operational current AC-3 (T≤55°C) 230V A 40 415V A 40 400V A 40 415V A 40 400V A 40 415V A 40 415V A 40 415V A 40 500V A 33 690V A 32 1000V A 21 Rated operational power AC-1 (T≤40°C) 230V kW 26 400V kW 46 500V kW 26 400V kW 46 500V kW 58 690V kW 43 690V kW 43 690V kW 43 690V kW 43 75V A 30		230V	kW	11
440V kW 22 500V kW 30 690V kW 30 Rated operational current AC-3 (T≤55°C) 230V A 40 440V A 40 415V A 40 440V A 40 415V A 40 440V A 40 415V A 40 440V A 40 500V A 33 690V A 32 1000V A 32 1000V A 21 230V KW 26 400V KW 46 500V kW 58 690V kW 79 26 400V kW 46 500V kW 58 690V kW 58 690V kW 79 22 40 40 48V A 35 75V A 30 110V A 8 220V A 40 48V A 8 220V A <t< td=""><td></td><td>400V</td><td>kW</td><td>18.5</td></t<>		400V	kW	18.5
		415V	kW	22
		440V	kW	22
1000V kW 30 Rated operational current AC-3 (T≤55°C) 230V A 40 400V A 40 415V A 40 415V A 40 410V A 40 440V A 40 400V A 40 440V A 40 400V A 40 500V A 33 690V A 32 1000V A 21 21 230V kW 26 400V kW 46 500V kW 46 500V kW 46 500V kW 46 500V kW 46 500V kW 58 690V kW 79 EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series \$24V A 40 48V A 35 75V A 30 110V A 8 220V A - EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series EC A - - EC max current le in DC1 with L		500V	kW	22
Rated operational current AC-3 (T≤55°C) 230V A 40 400V A 40 415V A 40 440V A 40 500V A 33 690V A 32 1000V A 21 Rated operational power AC-1 (T≤40°C) 230V kW 26 400V kW 46 500V kW 58 690V kW 58 690V kW 58 690V kW 79 EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 40 48V A 35 75V A 30 110V A 8 220V A -		690V	kW	30
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		1000V	kW	30
	Rated operational current AC-3 (T≤55°C)			
$ \begin{array}{cccc} 415 & A & 40 \\ 440 & A & 40 \\ 500 & A & 33 \\ 690 & A & 32 \\ 1000 & A & 21 \\ \end{array} \\ \hline Rated operational power AC-1 (T≤40 °C) & & & & \\ 230 & kW & 26 \\ 400 & kW & 46 \\ 500 & kW & 46 \\ 500 & kW & 58 \\ 690 & kW & 79 \\ \hline EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series & & & \\ \hline \leq 24V & A & 40 \\ 48V & A & 35 \\ 75V & A & 30 \\ 110V & A & 8 \\ 220V & A & - \\ \hline EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series & & & \\ \hline EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series & & & \\ \hline EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series & & \\ \hline \end{array}$		230V	А	40
		400V	А	40
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			А	
690VA321000VA21Rated operational power AC-1 (T≤40°C) $230V$ kW26 $400V$ kW46 $500V$ kW58 $690V$ kW79EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $≤24V$ A40 $48V$ A35 $75V$ A30 $110V$ A8 $220V$ A-			А	
1000VA21Rated operational power AC-1 (T≤40°C) $230V$ kW26 $400V$ kW46 $500V$ kW58 $690V$ kW79EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\leq 24V$ A40 $48V$ A35 $75V$ A30 $110V$ A8 $220V$ A-EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			А	
Rated operational power AC-1 (T≤40°C) 230V kW 26 400V kW 46 500V kW 58 690V kW 79 EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 40 48V A 35 75V A 30 110V A 8 220V A – EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series				
$\begin{array}{cccc} 230 V & kW & 26 \\ 400 V & kW & 46 \\ 500 V & kW & 58 \\ 690 V & kW & 79 \end{array}$ EC max current le in DC1 with L/R \leq 1ms with 1 poles in series $\begin{array}{cccc} \leq 24V & A & 40 \\ 48V & A & 35 \\ 75V & A & 30 \\ 110V & A & 8 \\ 220V & A & - \end{array}$ EC max current le in DC1 with L/R \leq 1ms with 2 poles in series		1000V	A	21
$ \begin{array}{c cccc} 400 \vee & k & 46 \\ 500 \vee & k & 58 \\ 690 \vee & k & 79 \end{array} \\ \hline \mbox{EC max current le in DC1 with L/R \leq 1ms with 1 poles in series} \\ \hline \mbox{\leq} 24 \vee & A & 40 \\ 48 \vee & A & 35 \\ 75 \vee & A & 30 \\ 110 \vee & A & 8 \\ 220 \vee & A & - \end{array} \\ \hline \mbox{EC max current le in DC1 with L/R \leq 1ms with 2 poles in series} \end{array} $	Rated operational power AC-1 (T≤40°C)			
$ \begin{array}{c c} 500 \lor & k \cr W & 58 \\ 690 \lor & k \cr W & 79 \end{array} \\ \hline \mbox{EC max current le in DC1 with L/R \le 1 ms with 1 poles in series} \\ \hline \mbox{\le 24V} & A & 40 \\ 48 \lor & A & 35 \\ 75 \lor & A & 30 \\ 110 \lor & A & 8 \\ 220 \lor & A & - \end{array} \\ \hline \mbox{EC max current le in DC1 with L/R \le 1 ms with 2 poles in series} } $				
$690V$ kW79EC max current le in DC1 with L/R < 1ms with 1 poles in series				
EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 40 48V A 35 75V A 30 110V A 8 220V A - EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series				
$ \begin{array}{cccc} \leq 24 \lor & A & 40 \\ & 48 \lor & A & 35 \\ & 75 \lor & A & 30 \\ & 110 \lor & A & 8 \\ & 220 \lor & A & - \end{array} \\ \hline \mbox{EC max current le in DC1 with L/R \leq 1ms with 2 poles in series} \end{array} $		690V	kW	79
$ \begin{array}{cccc} 48 V & A & 35 \\ 75 V & A & 30 \\ 110 V & A & 8 \\ 220 V & A & - \\ \end{array} \\ \hline \text{EC max current le in DC1 with L/R < 1ms with 2 poles in series} \end{array} $	IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
$\begin{array}{cccc} 75 \ensuremath{V} & A & 30 \\ 110 \ensuremath{V} & A & 8 \\ 220 \ensuremath{V} & A & - \end{array}$ EC max current le in DC1 with L/R < 1ms with 2 poles in series				
$\begin{array}{ccc} 110 \mbox{V} & \mbox{A} & \mbox{B} \\ 220 \mbox{V} & \mbox{A} & - \end{array}$ EC max current le in DC1 with L/R < 1ms with 2 poles in series				
EC max current le in DC1 with L/R \leq 1ms with 2 poles in series 220V A –				
EC max current le in DC1 with L/R \leq 1ms with 2 poles in series				8
		220V	A	
≤24V A 48	IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
		≤24V	А	48



THREE-POLE CONTACTOR 48VAC

BF4000A048	
, IEC OPERATING CURRENT IE (AC3) = 40A, AC COIL 50/60HZ,	
48\/AC	

	48V	А	48
	75V	A	45
	110V	A	42
	220V	A	5
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series	2201	,,	0
	≤24V	А	48
	48V	A	48
	48V 75V	A	48
	110V	A	44
	220V	A	56
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	220 V	A	50
The max current le in DCT with $L/R \le 100$ with 4 poles in series	≤24V	۸	
		A	-
	48V	A	-
	75V	A	-
	110V	A	-
	220V	A	70
IEC max current le in DC3-DC5 with L/R \leq 15ms with 1 poles in series		-	
	≤24V	A	27
	48V	А	23
	75V	А	19
	110V	А	3
	220V	Α	_
IEC max current le in DC3-DC5 with L/R \leq 15ms with 2 poles in series			
	≤24V	А	32
	48V	А	30
	75V	А	27
	110V	А	22
	220V	А	5
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
	≤24V	А	40
	48V	А	40
	75V	А	38
	110V	A	27
	220V	A	32
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	2201	7.	
	≤24V	А	_
	48V	A	_
	48V 75V	A	_
	110V	A	
	220V		-
Short-time allowable current for 10s (IEC/EN60947-1)	2201	A A	40 400
		A	400
Protection fuse		^	100
	gG (IEC)	A	100
	aM (IEC)	<u>A</u>	50
Making capacity (RMS value)		Α	400
Breaking capacity at voltage		-	
	440V	Α	320
	500V	A	265
	690V	А	256
Resistance per pole (average value)		mΩ	0.8
Power dissipation per pole (average value)			
	lth	W	3.9
	AC-3	W	1.3
Tightening torque for terminals			



BF4000A048 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 40A, AC COIL 50/60HZ, 48VAC

		min	Nm	4
		max	Nm	5
		min	lbin	2.95
		max	lbin	3.69
Tightening torque for	coil terminal			
		min	Nm	0.8
		max	Nm	1
		min	lbin	0.8
		max	lbin	0.74
Max number of wires	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			
		max		2
	Flexible w/o lug conductor section			
		min	mm²	1.5
		max	mm²	35
	Flexible c/w lug conductor section			
		min	mm²	1.5
		max	mm²	35
	ction according to IEC/EN 60529			IP20 front
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rail 35mm
Weight			g	1020
Conductor section				
	AWG/kcmil conductor section			
		max		2
Operations				
Mechanical life			cycles	15000000
Electrical life			cycles	1500000
Safety related data				
Performance level B1	0d according to EN/ISO 13489-1			
		rated load	cycles	1500000
		mechanical load	cycles	15000000
	ing to IEC/EN 609474-4-1			yes
EMC compatibility				yes
AC coil operating				
Rated AC voltage at 5	00/60Hz		V	48
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up		0/11	0.0
		min	%Us	80
	· · ·	max	%Us	110
	drop-out		0/17	00
		min	%Us	20
		max	%Us	55
	of 50/60Hz coil powered at 60Hz			
	pick-up		0/11-	05
		min	%Us	85
		max	%Us	110

BF4000A048



THREE-POLE CONTACTOR, I Z, C

	BF40	00A048
EC OPERATING CURRENT IE (AC3) = 40A,	AC COIL	50/60HZ,
		48VAC

	drop-out			
	ulop-out	min	%Us	40
		max	%Us	55
AC average coil co	nsumption at 20°C			
-	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
<u></u>		holding	VA	15
Dissipation at holdi			W	5
Max cycles frequen			evelee/b	2000
Mechanical operation	Jn		cycles/h	3600
Operating times Average time for Us	s control			
worage 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	LA) for three-phase AC motor			
ruii-ioau cuiteni (ri	LA) for three-phase AC motor	at 480V	А	40
		at 600V	A	32
Yielded mechanica	Iperformance	at 000 v	A	52
	for single-phase AC motor			
		110/120V	HP	3
		230V	HP	7.5
	for three-phase AC motor			
	-	200/208V	HP	10
		220/230V	HP	15
		460/480V	HP	30
		575/600V	HP	30
General USE				
	Contactor			
		AC current	Α	70
Short-circuit protect				
	High fault		_	
		Short circuit current	kA	100
		Fuse rating	А	150
	Other dead for th	Fuse class		J
	Standard fault			

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BF4000A048 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 40A, AC COIL 50/60HZ, 48VAC

°C

m

max

80

3

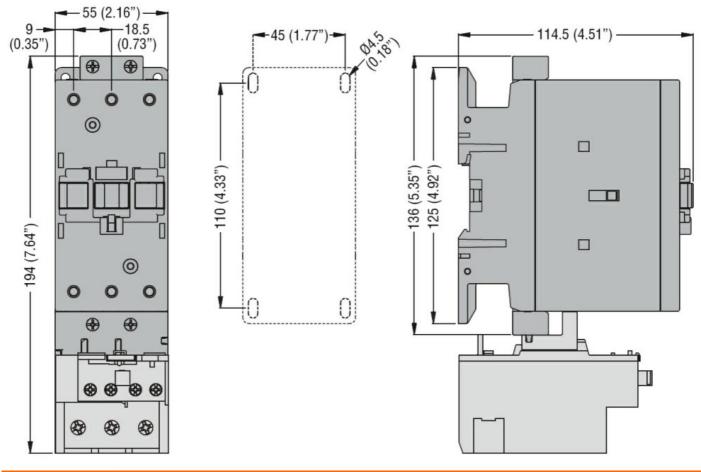
3000

ENERGY AND AUTOMATION					400710
		Short circuit current	kA	5	
		Fuse rating	А	150	
		Fuse class		RK5	
Ambient conditions					
Temperature					
	Operating temperature				
		min	°C	-50	
		max	°C	70	
	Storage temperature				
		min	°C	-60	

Max altitude

Resistance & Protection Pollution degree

Dimensions



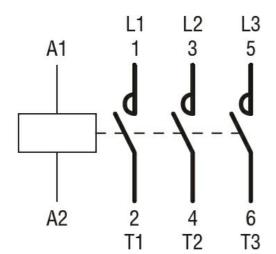
Wiring diagrams

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BF4000A048 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 40A, AC COIL 50/60HZ, 48VAC



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 classification	

ETIM 8.0

EC000066 -Power contactor, AC switching