



Product designation Power contractor Product type designation BF40 Contract AbranceTrights Number of poles Nr. 3 Number of poles V 1000 Rated insulation voltage UIIEC/EN V 8 Operational frequency min Hz 25 max Hz 400 1000 IEC Conventional frequency min Hz 25 Conventional frequency min Hz 25 Conventional frequency nonventional frequency A 70 Operational current le AC-1 (\$40°C) A 70 Operational current le AC-1 (\$40°C) A 40 AC-4 (400V) A 24 24 Rated operational power AC-3 (T≤55°C) 230V kW 11 400V kW 12.5 415V kW 22 500V kW 22 500V kW 22 690V kW 30 33 690V A 33				
Contact characteristicsNumber of polesNr.3Rated insultan voltage UI IEC/ENV1000Rated insultan voltage UI IEC/ENV8Operational frequencyminHz25maxHz400IEC Conventional frequencyA70Operational current leA70Operational current leAC-1 (≤40°C)AAC-1 (≤40°C)A60AC-1 (≤70°C)A50AC-3 (440V ≤55°C)A40AC-4 (400V)A40AC-4 (400V)KW114000kW18.5415VkW22500VkW22690VkW30Rated operational current AC-3 (T≤55°C)230VA230VkW23690VA400V400V40415VA40400VA40415VA40400VA40415VA40400VA40415VA40400VA40400VA40415VA40400VA40415VA40415VA40400VA40415VA40415VA40415VA40415VA40415VA40415VA </th <th>Product designation</th> <th></th> <th></th> <th>Power contactor</th>	Product designation			Power contactor
Number of polesNr.3Rated insulation voltage Ui IEC/ENV1000Rated insulation voltage UimpKV8Operational frequencyminHz25maxHz400IEC Conventional free air thermal current lthA70Operational current leAC-1 (≤40°C)A70AC-1 (≤55°C)A60AC-1 (≤55°C)AAC-3 (≤400V)A2424Rated operational power AC-3 (T≤55°C)230VkW11400VKW22440VkW415VkW22500VkW400VkW22500VkW400VA40400VA400VA40400VA400VA40500VA415VA40500VA415VA40500VA415VA40500VA400VA40500VA400VA40500VA415VA40500VA415VA40500VA415VA40500VA415VA40500VKW420VA40500VKW420VA40500VKW430VA40500VKW440VA40500VKW450VA40500VK	Product type designation			BF40
Rated insulation voltage U IEC/EN V 1000 Rated impulse withstand voltage Uimp kV 8 Operational frequency min Hz 25 iEC conventional frequency A 70 Operational current le A 70 Operational current le A 70 AC-1 (≤40°C) A 70 AC-1 (≤55°C) A 60 AC-1 (≤40°C) A 70 AC-1 (≤55°C) A 60 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 690V kW 22 690V kW 23 Rated operational current AC-3 (T≤55°C) 230V KW 21 Rated operational current AC-3 (T≤55°C) 230V A 40 400V A 40 400V A 415V A	Contact characteristics			
Rated impulse withstand voltage Uimp kV 8 Operational frequency min Hz 25 max Hz 400 IEC 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 (≤55°C) A 60 AC-3 (st440V ≤55°C) A 40 AC-4 (400V) A 24 Rated operational power AC-3 (T≤55°C) 230V kW 11 400V kW 22 440V kW 22 500V kW 30 1000V kW 30 Rated operational current AC-3 (T≤55°C) 230V A 40 40V kW 22 690V kW 30 1000V A 40 400V A 40 40V A 40 40V	Number of poles		Nr.	3
Rated impulse withstand voltage Uimp kV 8 Operational frequency min Hz 25 max Hz 400 IEC 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 (≤55°C) A 60 AC-3 (st440V ≤55°C) A 40 AC-4 (400V) A 24 Rated operational power AC-3 (T≤55°C) 230V kW 11 400V kW 22 440V kW 22 500V kW 30 1000V kW 30 Rated operational current AC-3 (T≤55°C) 230V A 40 40V kW 22 690V kW 30 1000V A 40 400V A 40 40V A 40 40V	Rated insulation voltage Ui IEC/EN		V	1000
Operational frequency min Hz 25 max Hz 400 IEC Conventional free air thermal current lth A 70 Operational current le AC-1 (s40°C) A 70 AC-1 (s55°C) A 60 AC-1 (s55°C) A 60 AC-3 (s4400 v55°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 30 30 Rated operational current AC-3 (T≤55°C) 230V kW 30 30 30 Rated operational current AC-3 (T≤55°C) 230V KW 30 30 30 Rated operational current AC-3 (T≤55°C) 230V A 40 40V A 1000V KW 32 30 33 680V A 32 1000V A 21 33 680V A 32 30			kV	
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max Hz 400 IEC 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 (≤40°C) A 70 AC-1 (≤40°C) A 70 AC-1 (≤55°C) A 40 AC-3 (570°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 500V kW 22 500V kW 30 Rated operational current AC-3 (T≤55°C) 230V A 40 440V kW 22 690V kW 30 Rated operational current AC-3 (T≤55°C) 230V A 40 440V		min	Hz	25
LEC Conventional free air thermal current Ith A 70 Operational current le AC-1 (540°C) A 70 AC-1 (555°C) A 60 AC-1 (555°C) A 60 AC-1 (555°C) A 40 AC-1 (555°C) A 40 Rated operational power AC-3 (T≤55°C) 230V kW 11 400V kW 18.5 415V kW 22 600V kW 22 690V kW 30 Rated operational current AC-3 (T≤55°C) 230V kW 40 400V kW 22 690V kW 30 Rated operational current AC-3 (T≤55°C) 230V A 40 400V 400V kW 30 Rated operational current AC-3 (T≤55°C) 230V A 40 400V 400V 40 400V 40V 40V 40V 40V <				
Operational current le AC-1 (≤40°C) A 70 AC-1 (≤55°C) A 60 AC-1 (≤55°C) A 60 AC-1 (≤70°C) A 50 AC-3 (≤440V ≤55°C) A 40 Rated operational power AC-3 (T≤55°C) 230V kW 11 400V kW 22 400V kW 22 500V kW 22 500V kW 22 500V kW 22 500V kW 30 30 Rated operational current AC-3 (T≤55°C) 230V A 40 400V kW 30 Rated operational current AC-3 (T≤55°C) 230V A 40 400V 40 400V A 40 40V A 40 50V A 30 690V kW	IEC Conventional free air thermal current Ith	max		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$				10
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		۵C-1 (<40°C)	Δ	70
$\begin{array}{cccccccccccccccccccccccccccccccccccc$				
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 500V kW 22 500V kW 22 690V kW 30 Rated operational current AC-3 (T≤55°C) 230V A 230V kW 30 Rated operational current AC-3 (T≤55°C) 230V A 230V kW 30 Rated operational current AC-3 (T≤55°C) 230V A 230V A 40 415V A 40 400V A 40 410V A 40 410V A 40 500V A 32 1000V A 21 Rated operational power AC-1 (T≤40°C) 230V kW 230V kW 46 500V kW 46 500V kW 48 69		. ,		
AC-4 (400V) A 24 Rated operational power AC-3 (T≤55°C) 230V kW 11 400V kW 18.5 415V kW 22 400V kW 22 440V kW 22 690V kW 30 100V kW 30 Rated operational current AC-3 (T≤55°C) 230V A 40 440V A 40 400V A 440V A 40 400V A 440V A 40 40 40 415V A 40 40V A 40 415V A 40 410V A 40 440V A 40 500V A 32 1000V A 32 690V A 32 690V A 32 690V kW 46 500V kW 46 500V kW 58 690V <		. ,		
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 Rated operational current AC-3 (T≤55°C) 230V A 40 440V KW 40 400V kW 46 500V kW 79 IEC max curre		. ,		
$\begin{array}{c} 230 \vee & k W & 11 \\ 400 \vee & k W & 18.5 \\ 415 \vee & k W & 22 \\ 440 \vee & k W & 22 \\ 500 \vee & k W & 22 \\ 690 \vee & k W & 30 \\ \hline \\ 800 \vee & k W & 30 \\ \hline \\ 800 \vee & k W & 30 \\ \hline \\ 800 \vee & k W & 30 \\ \hline \\ 800 \vee & k W & 30 \\ \hline \\ 800 \vee & k W & 30 \\ \hline \\ 800 \vee & k W & 30 \\ \hline \\ 800 \vee & k W & 30 \\ \hline \\ 800 \vee & k W & 30 \\ \hline \\ 800 \vee & k W & 30 \\ \hline \\ 800 \vee & k W & 30 \\ \hline \\ 800 \vee & k W & 30 \\ \hline \\ 800 \vee & k W & 30 \\ \hline \\ 800 \vee & k W & 40 \\ \hline \\ 800 \vee & k W & 40 \\ \hline \\ 800 \vee & k W & 26 \\ \hline \\ 400 \vee & k W & 46 \\ \hline \\ 500 \vee & k W & 26 \\ \hline \\ 400 \vee & k W & 46 \\ \hline \\ 500 \vee & k W & 58 \\ \hline \\ \\ 690 \vee & k W & 58 \\ \hline \\ \\ 690 \vee & k W & 79 \\ \hline \\ $	Deted energianal nerver AC 2 (T <e5°c)< td=""><td>AC-4 (400V)</td><td>A</td><td>24</td></e5°c)<>	AC-4 (400V)	A	24
$ \begin{array}{c} 400V & kW & 18.5 \\ 415V & kW & 22 \\ 440V & kW & 22 \\ 500V & kW & 22 \\ 690V & kW & 30 \\ \hline \\ 1000V & kW & 30 \\ \hline \\ Rated operational current AC-3 (T \le 55^{\circ}C) \\ \hline \\ 230V & A & 40 \\ 400V & A & 40 \\ 400V & A & 40 \\ 440V & A & 40 \\ 500V & A & 33 \\ 690V & A & 32 \\ 1000V & A & 21 \\ \hline \\ Rated operational power AC-1 (T \le 40^{\circ}C) \\ \hline \\ Rated operational power AC-1 (T \le 40^{\circ}C) \\ \hline \\ Rated operational power AC-1 (T \le 40^{\circ}C) \\ \hline \\ IEC max current le in DC1 with L/R \le 1ms with 1 poles in series \\ \hline \\ \le 24V & A & 40 \\ 48V & A & 35 \\ 75V & A & 30 \\ 110V & A & 8 \\ 220V & A & - \\ \hline \\ IEC max current le in DC1 with L/R \le 1ms with 2 poles in series \\ \hline \\ IEC max current le in DC1 with L/R \le 1ms with 2 poles in series \\ \hline \\ \hline \\ IEC max current le in DC1 with L/R \le 1ms with 2 poles in series \\ \hline \\ \hline \\ IEC max current le in DC1 with L/R \le 1ms with 2 poles in series \\ \hline \\ \hline \\ \hline \\ \hline \\ IEC max current le in DC1 with L/R \le 1ms with 2 poles in series \\ \hline \\ $	Raled operational power AC-3 (TS55 C)	0001/	1.1.47	44
$ \begin{array}{c} 415V & kW & 22 \\ 440V & kW & 22 \\ 500V & kW & 22 \\ 690V & kW & 30 \\ \hline \\ $				
$\begin{array}{c cccc} 440 & kW & 22 \\ 500 & kW & 22 \\ 690 & kW & 30 \\ \hline \\ \hline \\ Rated operational current AC-3 (T \leq 55 ^{\circ}C) & & & & & & & & & & & & & & & & & & &$				
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				
$\begin{tabular}{ c c c c c c } \hline & & & & & & & & & & & & & & & & & & $				
1000V kW 30 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 26 400V kW 46 500V kW 58 690V kW 79 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series S24V A 40 48V A 35 75V A 30 110V A 8 220V A - 1EC max current le in DC1 with L/R ≤ 1ms with 2				
230V A 40 400V A 40 415V A 40 440V 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 79 IEC 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 - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series				
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		10007	KVV	30
$ \begin{array}{ccccc} 400 & A & 40 \\ 415 & A & 40 \\ 440 & A & 40 \\ 500 & A & 33 \\ 690 & A & 32 \\ 1000 & A & 21 \\ \hline \\ $	Rated operational current AC-3 (1 \$55°C)	0001/		10
$ \begin{array}{cccc} 415 & A & 40 \\ 440 & A & 40 \\ 500 & A & 33 \\ 690 & A & 32 \\ 1000 & A & 21 \end{array} \\ \hline \\$				
$ \begin{array}{ccccc} 440 & A & 40 \\ 500 & A & 33 \\ 690 & A & 32 \\ 1000 & A & 21 \\ \hline \\ \mbox{Rated operational power AC-1 (T \le 40 ^{\circ} C)} & & & & & \\ & & & & & & \\ & & & & & & $				
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				
$\begin{tabular}{ c c c c } \hline & & & & & & & & & & & & & & & & & & $				
1000VA21Rated operational power AC-1 (T≤40°C)230VkW26400VkW46500VkW58690VkW79IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\leq 24V$ A4048VA3575VA30110VA8220VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series				
Rated operational power AC-1 (T≤40°C) $230V$ kW26 $400V$ kW46 $500V$ kW58 $690V$ kW79IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $≤24V$ A40 $48V$ A35 $75V$ A30 $110V$ A8 $220V$ A-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series				
$\begin{array}{c cccc} 230 V & kW & 26 \\ 400 V & kW & 46 \\ 500 V & kW & 58 \\ 690 V & kW & 79 \end{array}$ $\begin{array}{c ccccccccccccccccccccccccccccccccccc$		1000V	A	21
$ \begin{array}{c c} 400 \lor & k \cr W & 46 \\ 500 \lor & k \cr W & 58 \\ 690 \lor & k \cr W & 79 \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 & 40 \\ 48 \lor & A & 35 \\ 75 \lor & A & 30 \\ 110 \lor & A & 8 \\ 220 \lor & A & - \end{array} $ IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $ \begin{array}{c c} \\ \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 $				
690VkW79IEC max current le in DC1 with L/R < 1ms with 1 poles in series				
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\leq 24V$ A4048VA3575VA30110VA8220VA-				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		690V	kW	79
$ \begin{array}{cccc} 48V & A & 35\\ 75V & A & 30\\ 110V & A & 8\\ 220V & A & -\\ \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R \leq 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			
$\begin{array}{cccc} 75 \mbox{V} & \mbox{A} & \mbox{30} \\ 110 \mbox{V} & \mbox{A} & \mbox{8} \\ 220 \mbox{V} & \mbox{A} & - \end{array}$ IEC max current le in DC1 with L/R \leq 1ms with 2 poles in series				
$\begin{tabular}{ccc} 110V & A & 8\\ 220V & A & -\\ \hline \end{tabular}$ IEC max current le in DC1 with L/R < 1ms with 2 poles in series				
220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series 220V A -			А	
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			А	8
		220V	Α	_
≤24V A 48	IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
		≤24V	А	48

ENERGY AND AUTOMATION

BF4000A12060 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 40A, AC COIL 60HZ, 120VAC

	48V	Α	48
	75V	А	45
	110V	А	42
	220V	А	5
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
	≤24V	А	48
	48V	A	48
	48V 75V		48
		A	
	110V	A	44
	220V	Α	56
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series			
	≤24V	A	-
	48V	А	-
	75V	Α	-
	110V	Α	-
	220V	А	70
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	≤24V	А	27
	48V	A	23
	75V	A	19
	110V	A	3
	220V	A	
IEC max current le in DC3-DC5 with L/R \leq 15ms with 2 poles in series		_	
	≤24V	А	32
	48V	А	30
	75V	Α	27
	110V	Α	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	Α	52
TEC max current le in DCS-DCS with Err 3 15ms with 4 poles in series	<241/	۸	
	≤24V	A	-
	48V	A	-
	75V	Α	-
	110V	А	-
	220V	Α	40
Short-time allowable current for 10s (IEC/EN60947-1)		Α	400
Protection fuse			
	gG (IEC)	А	100
	aM (IEC)	А	50
Making capacity (RMS value)		А	400
Breaking capacity at voltage			
	440V	А	320
	500V	A	265
	690V	A	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			



BF4000A12060 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 40A, AC COIL 60HZ, 120VAC

		min	Nm	4
		max	Nm	5
			Ibin	2.95
		min		
		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			
	AW O/ Com	may		2
	Elevible w/e lue conductor contion	max		2
	Flexible w/o lug conductor section		2	4 5
		min	mm²	1.5
		max	mm²	35
	Flexible c/w lug conductor section			
		min	mm²	1.5
		max	mm²	35
Power terminal protect	ction according to IEC/EN 60529			IP20 front
Mechanical features	Ŭ			
Operating position				
oporating pooliton		normal		Vertical plan
		allowable		±30°
		allowable		
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			,	
	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 6	60Hz		V	120
AC operating voltage				
	of 60Hz coil powered at 60Hz			
	, pick-up			
	hint ab	min	%Us	80
			%Us	110
	deam and	max	/005	110
	drop-out		0/11-	00
		min	%Us	20
		max	%Us	55
AC average coil cons	umption at 20°C	max	%Us	55
AC average coil cons	umption at 20°C of 60Hz coil powered at 60Hz	max	%Us	55
AC average coil cons		maxin-rush	%Us VA	210
AC average coil cons				





THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 40A, AC COIL 60HZ, 120VAC

Max cycles frequency cycles /h 3600 Operating times accord 3600 Average time for US control in AC min ms 12 Max rage time for US control min ms 12 Max rass 28 min ms 12 Max rass 28 min ms 22 in DC Closing NO min ms 8 Opening NO min ms 85 Opening NO min ms 20 max ms 55 0 UL technical data max ms 20 Full-bad current (FLA) for three-phase AC motor at 800V A 40 110/120V HP 3 230V HP 7.5 for three-phase AC motor 200/208V HP 10 220/208V HP 30 General USE Contactor AC current A 70 Stont-circuit protection fuse, 600V HP 360 Fuse rati	ipation at holding :	20°C 50Hz			W	5
Operating times Norage time for Us control in AC Closing NO min ms 12 max ms 28 Opening NO min ms 28 max ms 28 In DC Closing NO min ms 8 max ms 22 In DC Closing NO min ms 40 ms 85 Opening NO min ms 20 max ms 55 JL technical data max ms 55 55 55 JL technical data max ms 55 55 55 JL technical data max ms 55 55 55 JL technical performance at 600V A 32 7 60 460/480V HP 3 32 Yielded mechanical performance max ms 55 55 55 55 55 55 55 55 55 55 55 55 55 55 55 <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>						
Average time for Us control in AC Closing NO min max ms 12 max Average time for Us control min ms 12 max ms 28 Opening NO min ms 8 21 in DC Closing NO min ms 40 Opening NO min ms 40 Max ms 20 max ms 20 Opening NO min ms 40					cycles/h	3600
$\begin{tabular}{ c c c c } & & & & & & & & & & & & & & & & & & &$		ntrol				
$\begin{tabular}{l l l l l l l l l l l l l l l l l l l $	age time for US co					
$\begin{tabular}{ c c c c c } & & & & & & & & & & & & & & & & & & &$			Closing NO			
max ms 28 opening NO min ms 8 max ms 22 in DC Closing NO min ms 40 Opening NO min ms 40 max ms 85 0 Opening NO min ms 55 UL technical data max ms 55 UL technical data max ms 55 UL technical data max ms 53 Ul technical data max ms 40 max at 600V A 42 fielded mechanical performance at 480V A 40 for three-phase AC motor 200/208V HP 13 220/2030V HP 13 22 for three-phase AC motor 200/208V HP 130 General USE Contactor A 100 fue Fuse cass J 150 Fuse cass J <td></td> <td></td> <td>eleeling the</td> <td>min</td> <td>ms</td> <td>12</td>			eleeling the	min	ms	12
$\begin{tabular}{ c c c c c } \hline min & ms & 8 \\ max & ms & 22 \\ \hline max & ms & 22 \\ \hline max & ms & 40 \\ max & ms & 85 \\ \hline max & ms & 55 \\ \hline ma$					ms	
$\begin{tabular}{ c c c c } \hline & & & & & & & & & & & & & & & & & & $			Opening NO			
in DC Closing NO min ms 40 Max ms 85 Opening NO min ms 20 max ms 55 JL technical data min ms 20 Full-load current (FLA) for three-phase AC motor at 480V A 40 at 600V A 32 Yielded mechanical performance 110/120V HP 3 Yielded mechanical performance for single-phase AC motor 200/208V HP 10 220/208V HP 10 220/208V HP 10 220/208V HP 10 220/208V HP 30 General USE Contactor 200/208V HP 30 General USE Contactor A 70 Short-circuit protection fuse, 600V High fault KA 100 Fuse rating A 150 RK5 Ambient conditions Fuse rating A 150 Fuse rating A 150				min	ms	8
$\begin{tabular}{l l l l l l l l l l l l l l l l l l l $				max	ms	22
$\begin{array}{c cccc} & & & & & & & & & & & & & & & & & $		in DC				
$\begin{array}{c c c c c c } & & & & & & & & & & & & & & & & & & &$			Closing NO			
Opening NO min ms 20 max ms 55 JL technical data Full-load current (FLA) for three-phase AC motor at 480V A 40 at 600V A 32 Vielded mechanical performance for single-phase AC motor 110/120V HP 3 200/208V HP 1 230V HP 1 200/208V HP 10 220/230V HP 15 for three-phase AC motor 200/208V HP 10 220/230V HP 30 150 Standard fault A 70 10 Standard fault KA 100 Fuse rating A 150 Fuse class J Standard fault Short circuit current KA 5 Fuse class J Standard fault Short circuit current KA 5 Fuse class J 150 Fuse class KA <td< td=""><td></td><td></td><td></td><td>min</td><td>ms</td><td></td></td<>				min	ms	
$\begin{array}{c cccc} & & & & & & & & & & & & & & & & & $				max	ms	85
max ms 55 JL technical data			Opening NO			
UL technical data Full-load current (FLA) for three-phase AC motor at 480V A 40 at 600V A 32 Yielded mechanical performance for single-phase AC motor 110/120V HP 3 230V HP 7.5 7 for three-phase AC motor 200/208V HP 10 220/230V HP 15 460/480V HP 30 General USE Contactor A 70 Short-circuit protection fuse, 600V High fault A 100 Fuse class J Standard fault Short circuit current kA 100 Fuse class J Standard fault Short circuit current kA 5 Fuse class J Standard fault Short circuit current kA 5 Fuse class J Standard fault Short circuit current kA 5 Fuse class RK5 Standard fault Short circuit current kA 5 Fuse class K5 RK5 Standard f						
Full-load current (FLA) for three-phase AC motor at 480V A 40 at 600V A 32 Yielded mechanical performance for single-phase AC motor 110/120V HP 3				max	ms	55
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Storage temperature min °C -60 max °C 80				min	°C	-50
min °C -60 max °C 80				max	°C	70
max °C 80		Storage temperature				
				min		
Max altitude m 3000				max	°C	80
	altitude				m	3000

BF4000A12060 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

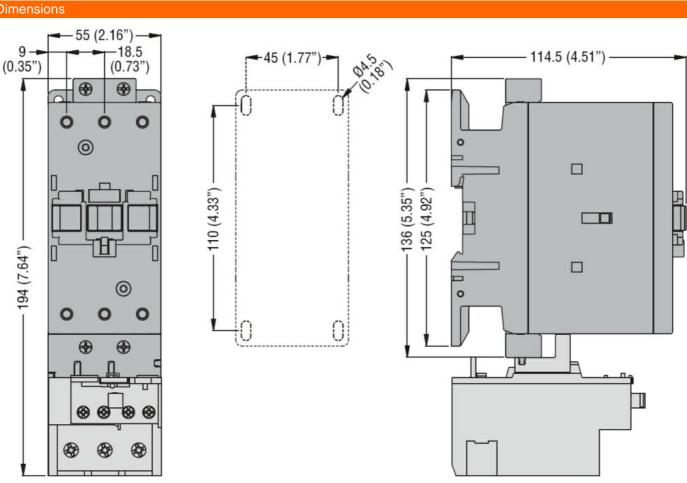


BF4000A12060 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 40A, AC COIL 60HZ, 120VAC

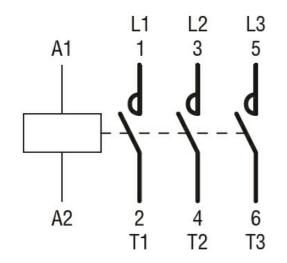
3

Pollution degree





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



ENERGY AND AUTOMATION

Certificates		
	CCC	
	cULus	
ETIM classifica	tion	
		EC000066 -
ETIM 8.0		Power contactor,

Power contactor, AC switching