



Contact characteristicsNumber of polesNr. 3Rated insulation voltage UI IEC/ENVRated insulation voltage UI IEC/ENKVOperational frequencyminHz400IEC Conventional free air thermal current lthA32Operational current leAC-1 (≤40°C)AC-3 (≤440V ≤55°C)AAC-3 (≤440V ≤55°C)AAC-3 (≤440V ≤55°C)AAC-3 (≤440V × 55°C)AAC-4 (400V)ARated operational power AC-3 (T≤55°C)230V230VkWAC-4 (400V)AAC-5230VKW13.4440VkW11Rated operational power AC-1 (T≤40°C)230V230VkWKW12690VkW12400VKW26690VKW13.4400VkW14500V230VkW15690V690VkW230VkW16220V220VA16220V220VA16220V220VA16220V220VA16220V220VA11EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series≤24VA220VA16220VA1248VA230V <th>Product designation Product type designation</th> <th></th> <th></th> <th>Power contactor BF25</th>	Product designation Product type designation			Power contactor BF25
Rated insulation voltage UI IEC/ENV690Rated inpulse withstand voltage UimpkV6Operational frequencyminHz25imaxHz400A32Operational current leA32AOperational current leAC-1 (≤40°C)A32AC-1 (≤55°C)A26AAAC-3 (≤440∨ 555°C)A25AAC-4 (400V)A10ARated operational power AC-3 (T≤55°C)230VkW7400VkW12.5415VkW13.4500VkW15690VkW15690VkW11A400VkW12Rated operational power AC-1 (T≤40°C)230VkW12690VkW12600VkW12690VkW12600VkW26690VkW1875VA18110VA6220VA18110VA6220VA23110VA6220VA23110VA16220VA16120VkUL/R ≤ 1ms with 2 poles in series24VA23110VA16220VA11111111111111111111111121111111111111111111131110VA16220				
Rated impulse withstand voltage Uimp kV 6 Operational frequency min Hz 25 max Hz 400 IEC Conventional free air thermal current lth A 32 Operational current le AC-1 (s40°C) A 32 AC-1 (s55°C) A 26 AC-1 (s70°C) A 23 AC-3 (s440V s55°C) A 25 AC-3 (s440V s55°C) A 25 AC-3 (s440V s55°C) A 25 AC-4 (400V) A 10 Rated operational power AC-3 (T≤55°C) 230V kW 7 400V kW 13.4 440V kW 13.4 500V kW 11 Rated operational power AC-1 (T≤40°C) 230V kW 12 500V kW 26 690V kW 13.4 500V kW 12 500V kW 12 100V KW 12 500V kW 26 690V kW 26 100V	Number of poles		Nr.	3
Operational frequency min Hz 25 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 26 AC-1 (≤70°C) A 23 AC-3 (≤400 × C5°C) A 25 AC-3 (≤400 × C5°C) A 26 Rated operational power AC-3 (T≤55°C) 230V kW 7 4000 kW 12.5 415V kW 13.4 440V kW 13.4 500V kW 11 Rated operational power AC-1 (T≤40°C) 230V kW 12 690V kW 12 400V kW 12.5 500V kW 12 500V kW 12 400V kW 12 400V kW 12 500V kW 21 500V kW 21 500V kW 20 48V A 18 75V A 18 75V A 18 110V A 6 <td>Rated insulation voltage Ui IEC/EN</td> <td></td> <td>V</td> <td>690</td>	Rated insulation voltage Ui IEC/EN		V	690
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Rated impulse withstand voltage Uimp		kV	6
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Operational frequency			
IEC Conventional free air thermal current lthA32Operational current leAC-1 (s40°C)A32AC-1 (s55°C)A26AC-3 (s440V s55°C)A25AC-4 (400V)A10Rated operational power AC-3 (T≤55°C)230VkW7400VkW12.5415VkW13.4440VkW13.4500VkW15690VkW15690VkW12690VkW12400VkW21690VkW12400VkW21690VkW12400VkW26690VkW26690VkW261EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series≤24VA2048VA1875VA18110VA6220VA231EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series≤24VA23110VA16220VA1110CA16220VA1110CA16220VA1110CA16220VA1110CA16220VA1110CA16220VA1110CA16220VA1110CA16220VA1110CA16220VA1 <td></td> <td>min</td> <td>Hz</td> <td>25</td>		min	Hz	25
Operational current le AC-1 (\$40°C) A 32 AC-1 (\$55°C) A 32 AC AC-1 (\$55°C) A 26 AC-1 (\$70°C) A 23 AC-3 (\$440V \$55°C) A 25 AC-4 (400V) A 10 Rated operational power AC-3 (T≤55°C) 230V kW 7 400V kW 12.5 415V kW 13.4 400V kW 13.4 500V kW 15 690V 690V kW 15 Rated operational power AC-1 (T≤40°C) 230V kW 12 400V kW 12 Key 400V kW 12 400V kW 12 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series \$24V A 20 48V A 18 110V A 6 220V A 1 10 IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series \$24V A 23 48V A 23 110V A 16 220V A 1 16 220V A </td <td></td> <td>max</td> <td>Hz</td> <td>400</td>		max	Hz	400
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	IEC Conventional free air thermal current Ith		Α	32
$\begin{array}{cccccccc} AC-1 (s55^{\circ}C) & A & 26 \\ AC-1 (s70^{\circ}C) & A & 23 \\ AC-3 (s4400V) & A & 10 \\ \hline \\ \begin{tabular}{lllllllllllllllllllllllllllllllllll$	Operational current le			
$\begin{array}{ccccc} AC-1 (\$70^{\circ}C) & A & 23 \\ AC-3 (\$440V \$55^{\circ}C) & A & 25 \\ AC-4 (400V) & A & 10 \end{array}$ Rated operational power AC-3 (T<55°C) $\begin{array}{c} 230V & kW & 7 \\ 400V & kW & 12.5 \\ 415V & kW & 13.4 \\ 440V & kW & 13.4 \\ 500V & kW & 15 \\ 690V & kW & 11 \end{array}$ Rated operational power AC-1 (T<40°C) $\begin{array}{c} 230V & kW & 12 \\ 400V & kW & 21 \\ 500V & kW & 26 \\ 690V & kW & 26 \\ 690V & kW & 36 \end{array}$ IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\begin{array}{c} 224V & A & 20 \\ 48V & A & 18 \\ 75V & A & 18 \\ 110V & A & 6 \\ 220V & A & - \end{array}$ IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\begin{array}{c} \leq 24V & A & 23 \\ 48V & A & 18 \\ 75V & A & 23 \\ 110V & A & 6 \\ 220V & A & - \end{array}$			А	
AC-3 (≤440V ≤55°C) A 25 AC-4 (400V) A 10 Rated operational power AC-3 (T≤55°C) 230V kW 7 400V KW 12.5 415V kW 13.4 440V kW 13.4 440V kW 13.4 500V kW 15 690V kW 11 Rated operational power AC-1 (T≤40°C) 230V kW 12 400V kW 26 690V kW 12 400V kW 26 690V kW 26 690V kW 26 690V kW 36 20V A 20 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 20 48V A 18 110V A 6 220V A - 16 220V A 23 120V A 16 220V A 1 16 220V A 1 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 23 10 1		. ,	А	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				
Rated operational power AC-3 (T≤55°C) 230V kW 7 400V kW 12.5 415V kW 13.4 440V kW 13.4 500V kW 15 690V kW 15 690V kW 11 Rated operational power AC-1 (T≤40°C) 230V kW 12 400V kW 21 500V kW 22 400V kW 26 690V kW 36 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series 524V A 20 48V A 18 110V A 6 220V A - 1 1 IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series 524V A 23 48V A 23 75V A 23 110V A 16 220V A 1 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series 524V A 23 110V A 16 220V A 1 IEC max current le in				
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		AC-4 (400V)	A	10
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Rated operational power AC-3 (T≤55°C)			
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				
$ \begin{array}{c} 440 \vee & k W & 13.4 \\ 500 \vee & k W & 15 \\ 690 \vee & k W & 11 \end{array} \\ \hline Rated operational power AC-1 (T \leq 40 ^{\circ}C) & & & & & \\ 230 \vee & k W & 21 \\ 500 \vee & k W & 21 \\ 500 \vee & k W & 21 \\ 500 \vee & k W & 26 \\ 690 \vee & k W & 36 \end{array} \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 1 poles in series & & & \\ \hline & \leq 24 \vee & A & 20 \\ 48 \vee & A & 18 \\ 75 \vee & A & 18 \\ 110 \vee & A & 6 \\ 220 \vee & A & - \end{array} \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 2 poles in series & & & \\ \hline & \leq 24 \vee & A & 23 \\ 48 \vee & A & 23 \\ 75 \vee & A & 23 \\ 110 \vee & A & 16 \\ 220 \vee & A & 1 \end{array} \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series & & \\ \hline & \leq 24 \vee & A & 23 \\ 110 \vee & A & 16 \\ 220 \vee & A & 1 \end{array}$				
$ \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 $				
Rated operational power AC-1 (T≤40°C) $230V$ kW12 $400V$ kW21 $500V$ kW26 $690V$ kW36IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\leq 24V$ A20 $48V$ A18 $75V$ A18 $110V$ A6 $220V$ A-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24V$ A23 $48V$ A23 $75V$ A23 $110V$ A16 $220V$ A1IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A23 $48V$ A23				
$\begin{array}{c} 230 \lor k \Downarrow 21 \\ 400 \lor k \Downarrow 21 \\ 500 \lor k \Downarrow 26 \\ 690 \lor k \circlearrowright 36 \end{array}$ IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\begin{array}{c} \leq 24 \lor A & 20 \\ 48 \lor A & 18 \\ 75 \lor A & 18 \\ 110 \lor A & 6 \\ 220 \lor A & - \end{array}$ IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\begin{array}{c} \leq 24 \lor A & 23 \\ 48 \lor A & 18 \\ 110 \lor A & 6 \\ 220 \lor A & - \end{array}$ IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\begin{array}{c} \leq 24 \lor A & 23 \\ 48 \lor A & 23 \\ 75 \lor A & 23 \\ 110 \lor A & 16 \\ 220 \lor A & 1 \end{array}$ IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\begin{array}{c} \leq 24 \lor A & 23 \\ 48 \lor A & 23 \\ 110 \lor A & 16 \\ 220 \lor A & 1 \end{array}$		690V	KVV	11
$ \begin{array}{c c} 400 & kW & 21 \\ 500 & kW & 26 \\ 690 & kW & 36 \end{array} \\ \hline \begin{tabular}{lllllllllllllllllllllllllllllllllll$	Rated operational power AC-1 (1≤40°C)	000)/		40
$ \begin{array}{c c} 500V & kW & 26 \\ 690V & kW & 36 \end{array} \\ \hline \begin{tabular}{ll} IEC max current le in DC1 with L/R \leq 1ms with 1 poles in series \\ \hline & \leq 24V & A & 20 \\ 48V & A & 18 \\ 75V & A & 18 \\ 110V & A & 6 \\ 220V & A & - \end{array} \\ \hline \begin{tabular}{ll} IEC max current le in DC1 with L/R \leq 1ms with 2 poles in series \\ \hline & \leq 24V & A & 23 \\ 48V & A & 23 \\ 75V & A & 23 \\ 110V & A & 16 \\ 220V & A & 1 \end{array} \\ \hline \begin{tabular}{ll} IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series \\ \hline & \qquad \qquad$				
$ \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 1 poles in series				
$ \begin{array}{c cccc} \leq 24 & A & 20 \\ 48 & A & 18 \\ 75 & A & 18 \\ 110 & A & 6 \\ 220 & A & - \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R \leq 1ms with 2 poles in series} \\ \hline \mbox{Series} \\ \hline Se$	FC may autrent to in PC1 with 1/P < 1ma with 1 nates in parios	090 V	ĸvv	30
$ \begin{array}{cccc} 48V & A & 18 \\ 75V & A & 18 \\ 110V & A & 6 \\ 220V & A & - \end{array} \\ \hline \\$	The current is in DCT with $L/R \le 100$ with 1 poles in series	<241/	۸	20
$\begin{array}{c cccc} 75 & A & 18 \\ 110 & A & 6 \\ 220 & A & - \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R \leq 1ms with 2 poles in series} \\ \hline \mbox{\leq24V$ A $ 23$} \\ 48 & A $ 23$ \\ 75 & A $ 23$ \\ 110 & A $ 16$ \\ 220 & A $ 1$ \\ \hline \mbox{IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series} \\ \hline \mbox{\leq24V$ A $ 23$} \\ 48 & A $ 23$ \\ 110 & A $ 16$ \\ 220 & A $ 1$ \\ \hline \mbox{IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series} \\ \hline \mbox{\leq24V$ A $ 23$} \\ \hline \mbox{$\leq23} \\ \hline \mbox{\leq24V$ A $ 23$} \\ \hline \\mbox{$\leq$24V$ A $ 23$} \\ \hline \mbox{$\leq$24V$ A $ 23$} \\ \hline \mbox{$\leq$24V$ A $ 23$} \\ \hline \mbox{$\leq$24V$ A $ 23$} \\ \hline \\mbox{$\leq$24V$ A $ 23$} \\ \hline \\\mbox{$\leq$24V$ A $ $ 23$} \\ \hline \\$\leq$25V$ $				
$\begin{array}{c cccc} 110 V & A & 6 \\ 220 V & A & - \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R \leq 1ms with 2 poles in series} \\ & \leq 24 V & A & 23 \\ & 48 V & A & 23 \\ & 48 V & A & 23 \\ & 75 V & A & 23 \\ & 110 V & A & 16 \\ & 220 V & A & 1 \\ \hline \mbox{IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series} \\ \hline \end{tabular}$				
$\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 \leq 1ms with 2 poles in series $\leq 24V$ A2348VA2375VA23110VA16220VA1IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series $\leq 24V$ A23 $\leq 24V$ A2348VA2348VA23				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	IEC max current le in DC1 with L/R < 1ms with 2 poles in series	2201	7.	
$ \begin{array}{cccc} 48 \ensuremath{\mathbb{V}} & \ensuremath{\mathbb{A}} & 23 \\ 75 \ensuremath{\mathbb{V}} & \ensuremath{\mathbb{A}} & 23 \\ 110 \ensuremath{\mathbb{V}} & \ensuremath{\mathbb{A}} & 16 \\ 220 \ensuremath{\mathbb{V}} & \ensuremath{\mathbb{A}} & 16 \\ 220 \ensuremath{\mathbb{V}} & \ensuremath{\mathbb{A}} & 1 \\ \end{array} $ IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series $ \begin{array}{ccc} \leq 24 \ensuremath{\mathbb{V}} & \ensuremath{\mathbb{A}} & 23 \\ \leq 24 \ensuremath{\mathbb{V}} & \ensuremath{\mathbb{A}} & 23 \\ \leq 48 \ensuremath{\mathbb{V}} & \ensuremath{\mathbb{A}} & 23 \\ \end{array} $		<24\/	Δ	23
$\begin{array}{cccc} 75 \ensuremath{\mathbb{V}} & \ensuremath{\mathbb{A}} & 23 \\ 110 \ensuremath{\mathbb{V}} & \ensuremath{\mathbb{A}} & 16 \\ 220 \ensuremath{\mathbb{V}} & \ensuremath{\mathbb{A}} & 1 \end{array}$ IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series $\begin{array}{cccc} \leq 24 \ensuremath{\mathbb{V}} & \ensuremath{\mathbb{A}} & 23 \\ 48 \ensuremath{\mathbb{V}} & \ensuremath{\mathbb{A}} & 23 \end{array}$				
$\begin{tabular}{ccc} 110V & A & 16\\ 220V & A & 1\\ \hline \end{tabular}$ IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series $\begin{tabular}{ccc} \leq 24V & A & 23\\ 48V & A & 23\\ \hline \end{tabular}$				
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$				
IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series $\leq 24V$ A 23 48V A 23				
≤24V A 23 48V A 23	IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
48V A 23		≤24V	А	23
		75V	A	23
110V A 18				

ENERGY AND AUTOMATION

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 25A, AC COIL 50/60HZ, 230VAC, 1NC AUXILIARY CONTACT

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	2201/	^	10	
	220V	A	12	
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series		_		
	≤24V	A	-	
	48V	А	-	
	75V	А	-	
	110V	А	-	
	220V	А	-	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series				
	≤24V	А	15	
	48V	А	13	
	75V	А	13	
	110V	A	2	
	220V	A	_	
IEC max current le in DC3-DC5 with L/R \leq 15ms with 2 poles in series	2201	7.		
	≤24V	А	18	
	48V			
		A	18 16	
	75V	A	16	
	110V	A	10	
	220V	Α	2	
IEC max current le in DC3-DC5 with L/R \leq 15ms with 3 poles in series			_	
	≤24V	A	22	
	48V	A	22	
	75V	А	18	
	110V	Α	15	
	220V	А	8	
IEC max current le in DC3-DC5 with L/R \leq 15ms with 4 poles in series				
	≤24V	А	-	
	48V	А	-	
	75V	А	_	
	110V	А	_	
	220V	А	_	
Short-time allowable current for 10s (IEC/EN60947-1)		А	200	
Protection fuse				
	gG (IEC)	А	50	
	aM (IEC)	A	25	
Making capacity (RMS value)		A	250	
		A	230	
Breaking capacity at voltage	44014		000	
	440V	A	200	
	500V	A	184	
	690V	A	102	
Resistance per pole (average value)		mΩ	2.5	
Power dissipation per pole (average value)				
	lth	W	2.6	
	AC-3	W	1.6	
Tightening torque for terminals				
	min	Nm	1.5	
	max	Nm	1.8	
	min	Ibin	1.1	
	max	Ibin	1.5	
Tightening torque for coil terminal				
	min	Nm	0.8	
	max	Nm	1	
	min	Ibin	0.8	
	11111		0.0	

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THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 25A, AC COIL 50/60HZ, 230VAC, 1NC AUXILIARY CONTACT

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		max	lbin	0.74
	simultaneously connectable		Nr.	2
Conductor section	AWG/Kcmil			
	AWG/KCIIII	may		10
	Flexible w/o lug conductor section	max		10
		min	mm²	1
		max	mm²	6
	Flexible c/w lug conductor section			•
		min	mm²	1
		max	mm²	4
	Flexible with insulated spade lug conductor section			
		min	mm²	1
		max	mm²	4
Power terminal prote	ction according to IEC/EN 60529			IP20 when
	clion according to IEC/EN 00529			properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN ra
				35mm
Weight			g	360
Conductor section				
	AWG/kcmil conductor section			10
		max		10
Auxiliary contact char Thermal current Ith			А	10
IEC/EN 60947-5-1 de	signation		A	A600 - P600
Operating current AC				A000 - F 000
Operating current AC		2201/	•	0
		230V 400V	A A	3 1 9
		400V	A	1.9
Operating current DC	212			-
Operating current DC	212	400V 500V	A A	1.9 1.4
		400V	A	1.9
Operating current DC		400V 500V 110V	A A A	1.9 1.4 5.7
		400V 500V 110V 24V	A A A	1.9 1.4 5.7 5.7
		400V 500V 110V	A A A	1.9 1.4 5.7 5.7 2.9
		400V 500V 110V 24V 48V	A A A A A A	1.9 1.4 5.7 5.7 2.9 2.3
		400V 500V 110V 24V 48V 60V	A A A A A	1.9 1.4 5.7 5.7 2.9
		400V 500V 110V 24V 48V 60V 110V	A A A A A A A A	1.9 1.4 5.7 5.7 2.9 2.3 1.25
		400V 500V 110V 24V 48V 60V 110V 125V	A A A A A A A A A	1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1
Operating current DC		400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A	1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55
Operating current DC		400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A	1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55
Operating current DC Operations Mechanical life		400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A A	1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2
		400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A Cycles	1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000
Operating current DC Operations Mechanical life Electrical life Safety related data		400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A Cycles	1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000
Operating current DC Operations Mechanical life Electrical life Safety related data	213	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A Cycles	1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000
Operating current DC Operations Mechanical life Electrical life Safety related data	213 10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A A A Cycles cycles	1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000 1200000
Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B	213 10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A A A Cycles cycles	1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000 1200000 1200000

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THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 25A, AC COIL 50/60HZ, 230VAC, 1NC AUXILIARY CONTACT

Rated AC voltage at 5	0/60Hz		V	230
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up			
		min	%Us	80
	drop out	max	%Us	110
	drop-out	min	%Us	20
		min max	%Us %Us	20 55
	of 50/60Hz coil powered at 60Hz	Παλ	/003	55
	pick-up			
	piercep	min	%Us	85
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	55
AC average coil consu	Imption at 20°C			
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	75
		holding	VA	9
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	70
		holding	VA	6.5
	of 60Hz coil powered at 60Hz	in much	١/٨	75
		in-rush	VA	75
Dissipation at holding		holding	VA W	9 2.5
Max cycles frequency			VV	2.5
Mechanical operation			evelee/h	3600
			cvcies/n	
			cycles/h	3000
Operating times	ontrol		cycles/n	5000
Operating times	ontrol in AC		cycles/n	3000
Operating times			cycles/n	3000
Operating times	in AC	min	ms	8
Operating times	in AC Closing NO	min max		
Operating times	in AC	max	ms	8 24
Operating times	in AC Closing NO	max	ms ms ms	8 24 10
Operating times	in AC Closing NO Opening NO	max	ms ms	8 24
Operating times	in AC Closing NO	max min max	ms ms ms ms	8 24 10 20
Operating times	in AC Closing NO Opening NO	max min max min	ms ms ms ms ms	8 24 10 20 14
Operating times	in AC Closing NO Opening NO Closing NC	max min max	ms ms ms ms	8 24 10 20
Operating times	in AC Closing NO Opening NO	max min max min max	ms ms ms ms ms	8 24 10 20 14 28
Operating times	in AC Closing NO Opening NO Closing NC	max min max min max min	ms ms ms ms ms ms	8 24 10 20 14 28 7
Operating times Average time for Us co	in AC Closing NO Opening NO Closing NC	max min max min max	ms ms ms ms ms	8 24 10 20 14 28
Operating times Average time for Us co UL technical data	in AC Closing NO Opening NO Closing NC Opening NC	max min max min max min	ms ms ms ms ms ms	8 24 10 20 14 28 7
Operating times Average time for Us co UL technical data	in AC Closing NO Opening NO Closing NC	max min max min max min	ms ms ms ms ms ms	8 24 10 20 14 28 7
Operating times Average time for Us co UL technical data	in AC Closing NO Opening NO Closing NC Opening NC	max min max min max min max	ms ms ms ms ms ms ms ms	8 24 10 20 14 28 7 18
Operating times Average time for Us co <u>UL technical data</u> Full-load current (FLA)	in AC Closing NO Opening NO Closing NC Opening NC	max min max min max min max at 480V	ms ms ms ms ms ms ms	8 24 10 20 14 28 7 18 21
Operating times Average time for Us co <u>UL technical data</u> Full-load current (FLA)	in AC Closing NO Opening NO Closing NC Opening NC	max min max min max min max at 480V	ms ms ms ms ms ms ms	8 24 10 20 14 28 7 18 21
Operating times Average time for Us co <u>UL technical data</u> Full-load current (FLA)	in AC Closing NO Opening NO Closing NC Opening NC opening NC opening NC common	max min max min max min max at 480V	ms ms ms ms ms ms ms	8 24 10 20 14 28 7 18 21
Operating times Average time for Us co UL technical data	in AC Closing NO Opening NO Closing NC Opening NC opening NC opening NC common	max min max min max min max at 480V at 600V	ms ms ms ms ms ms ms as	8 24 10 20 14 28 7 18 21 17
Operating times Average time for Us co UL technical data Full-load current (FLA)	in AC Closing NO Opening NO Closing NC Opening NC opening NC opening NC common	max min max min max min max at 480V at 600V 110/120V 230V	ms ms ms ms ms ms ms A A HP HP	8 24 10 20 14 28 7 18 21 17 2 3
Dperating times Average time for Us co JL technical data Full-load current (FLA)	in AC Closing NO Opening NO Closing NC Opening NC Opening NC	max min max min max min max at 480V at 600V	ms ms ms ms ms ms ms A A HP	8 24 10 20 14 28 7 18 21 17 2

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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



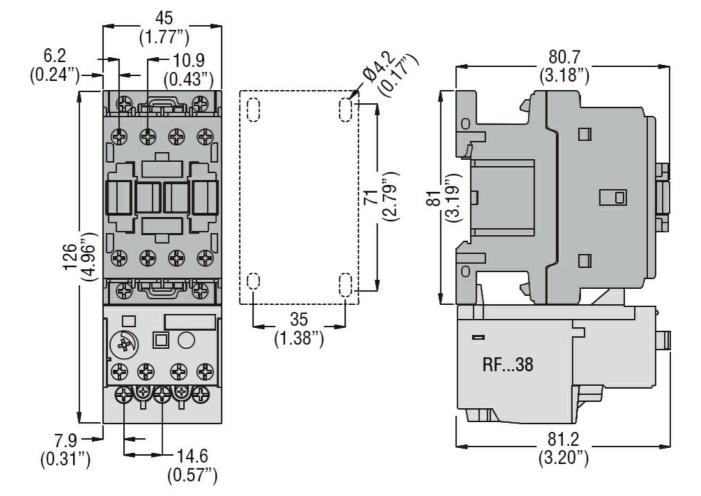
BF2501A230 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 25A, AC COIL 50/60HZ, 230VAC, 1NC AUXILIARY CONTACT

		220/230V	HP	7.5
		460/480V	HP	15
		575/600V	HP	15
General USE				
	Contactor			
		AC current	Α	32
	Auxiliary contacts			
		AC voltage	V	600
		AC current	А	10
		DC voltage	V	250
		DC current	Α	1
Short-circuit protee	ction fuse, 600V			
	High fault			
		Short circuit current	kA	100
		Fuse rating	А	60
		Fuse class		J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	Α	100
Contact rating of a	uxiliary contacts according to UL			A600 - P600
Ambient conditions	S			
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Prot	ection			
Pollution degree				3
Dimensions				

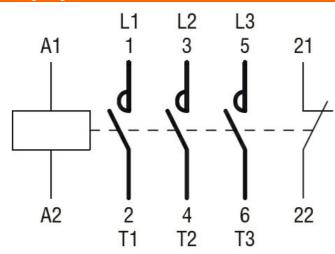
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THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 25A, AC COIL 50/60HZ, 230VAC, 1NC AUXILIARY CONTACT



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	

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	CCC
	cULus
	EAC
ETIM classification	

ETIM 8.0

EC000066 -Power contactor, AC switching