



Product type designation BF25 Contact characteristics Number of poles Nr. 3 Rated insulation voltage UIIP KV 6 Operational frequency min Hz 25 IEC Conventional free air thermal current Ith A 32 Operational current le AC-1 (storC) A 32 AC-1 (storC) A 32 AC-1 (storC) A 23 AC-3 (st400*S5*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 690V kW 15 690V kW 12.5 415V kW 13.4 500V kW 12.5 4160V kW 12.5 415V kW 12.5 4175V kW 13.4 500V kW 12.5 690V kW 12				•
Product type designation BF25 Contact characteristics Number of poles Nr. 3 Rated insulation voltage UIIP KV 6 Operational frequency min Hz 25 IEC Conventional free air thermal current Ith A 32 Operational current le AC-1 (storC) A 32 AC-1 (storC) A 32 AC-1 (storC) A 23 AC-3 (st400*S5*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 690V kW 15 690V kW 12.5 415V kW 13.4 500V kW 12.5 4160V kW 12.5 415V kW 12.5 4175V kW 13.4 500V kW 12.5 690V kW 12	Product designation			Power contactor
Contact characteristicsNumber of polesNr.3Rated insulation voltage UI IEC/ENV690Rated insulation voltage UI IEC/ENKV6Operational frequencyminHz25maxHz4001IEC Conventional free air thermal current IthA32Operational current leAC-1 (≤40°C)A32AC-1 (≤55°C)A26AC-1 (≤55°C)A26AC-1 (≤55°C)A25A25AC-3 (≤440V ≤55°C)A25A25AC-4 (400V)A1010ARated operational power AC-3 (T≤55°C)230VkW7400VkW13.4500VkW13.4500VkW11500VkW11Rated operational power AC-1 (T≤40°C)230VkW12400VkW12400VkW12690VkW12500VkW12690VkW12500VkW26690VkW21500VkW26690VkW26690VkW36IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series524VA2348VA2375VA23110VA6220VA1IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series524VA23110VA16220VA </td <td>Product type designation</td> <td></td> <td></td> <td>BF25</td>	Product type designation			BF25
Number of polesNr.3Rated insulation voltage Ui IEC/ENV690Rated insulation voltage UimpkV6Operational frequencyminHz25maxHz400432Operational free air thermal current lthA3232Operational current leAC-1 (540°C)A32AC-1 (555°C)A26AC-1 (555°C)A25AC-3 (4400V)A1010Rated operational power AC-3 (T>55°C)230VkW7400VkW13.4440VkW13.4440VkW13.4500VkW13.4440VkW13.4500VkW11Rated operational power AC-1 (TS40°C)230VkW12690V230VkW12500VkW12690VkW26690VkW26690VkW26690VkW261EC max current le in DC1 with L/R s 1ms with 1 poles in series $\leq 24V$ A231EC max current le in DC1 with L/R s 1ms with 2 poles in series $\leq 24V$ A231EC max current le in DC1 with L/R s 1ms with 3 poles in series $\leq 24V$ A231EC max current le in DC1 with L/R s 1ms with 3 poles in series $\leq 24V$ A231EC max current le in DC1 with L/R s 1ms with 3 poles in series $\leq 24V$ A231EC max current le in DC1 with L/R s 1ms with 3 poles in series $\leq 24V$ A23<	Contact characteristics			
Rated insulation voltage Ui IEC/EN V 690 Rated inpulse withstand voltage Uimp KV 6 Operational frequency min Hz 25 max Hz 400 400 IEC Conventional free air thermal current lth A 32 Operational current le AC-1 (\$40°C) A 22 AC-1 (\$55°C) A 26 AC-1 (\$70°C) A 23 AC-3 (\$4400 \$55°C) A 25 AC-4 (400V) A 10 Rated operational power AC-3 (T≤55°C) 230V KW 7 4000 kW 12.5 415V kW 13.4 4400V kW 13.4 440V 500V kW 11 Rated operational power AC-1 (T≤40°C) 230V kW 12 400V 80 80 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 23 48V A 23 IEC max current le in DC1 with L/R ≤ 1ms with 2 poles i			Nr.	3
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 (\$40°C) A 32 AC-1 (\$55°C) A 26 AC-1 (\$57°C) A 23 Rated operational power AC-3 (T≤55°C) 230V KW 7 400V KW 12.5 415V kW 12.5 415V kW 13.4 500V kW 13.4 500V kW 13.4 690V kW 13.4 500V kW 12 690V kW 12 500V kW 12 100V kW 21 500V kW 21 500V kW 21 500V kW 22 100V kW 21 50V kW 23 10V kA 18 75V A				
Operational frequency min Hz 25 max Hz 400 Operational current le A 32 Operational current le AC-1 (\$40°C) A 32 AC-1 (\$55°C) A 26 AC-1 (\$55°C) A 26 AC-1 (\$70°C) A 23 AC-3 (\$400V \$55°C) A 25 AC-3 (\$400V) A 10 AC-4 (400V) A 10 Rated operational power AC-3 (T≤55°C) 230V kW 7 400V kW 13.4 500V kW 13.4 440V kW 13.4 500V kW 15 690V kW 15 690V kW 12 400V kW 26 690V kW 12 500V kW 26 690V kW 12 500V kW 26 690V kW 18 75V 18 110V A 6 220V <t< td=""><td></td><td></td><td></td><td></td></t<>				
$\begin{array}{cccc} \min & \operatorname{Hz} & 25 \\ \max & \operatorname{Hz} & 400 \\ 1 \\ 1 \\ 1 \\ 2 \\ 1 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2$				Ū
max Hz 400 Operational current le A 32 Operational current le AC-1 (≤40°C) A 32 AC-1 (≤55°C) A 26 AC-1 (≤55°C) A 23 AC-1 (≤40V > 55°C) A 23 AC-3 (≤440V > 55°C) A 25 AC-3 (dot) A 10 AC-3 (dot) A 10 Rated operational power AC-3 (T≤55°C) 230V KW 7 400V KW 13.4 500V KW 13.4 500V KW 15 690V KW 15 690V KW 11 S00V KW 12 400V KW 12 400V KW 12 400V KW 12 690V KW 12 400V KW 12 400V KW 12 400V KW 12 400V KW 12 40V KW 12 40V 14 14 10		min	H7	25
IEC Conventional free air thermal current Ith A 32 Operational current le $AC-1 (\leq 40^{\circ}C) A 32$ $AC-1 (\leq 55^{\circ}C) A 26$ $AC-1 (\leq 70^{\circ}C) A 23$ $AC-3 (\leq 4400 \leq 55^{\circ}C) A 25$ $AC-3 (\leq 4400 \leq 55^{\circ}C) A 25$ 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 500V kW 15 699V kW 11 Rated operational power AC-1 (T≤40°C) 230V kW 21 500V kW 21 500V kW 21 500V kW 221 500V kW 26 699V kW 36 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\leq 24V A 20$ 48V A 18 75V A 18 10V A 6 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24V A 23$ 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 $\leq 24V A 23$ 48V A 23 75V A 23 110V A 16 220V A 1				
Operational current le AC-1 (s40°C) A 32 AC-1 (s55°C) A 26 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 12.5 415V kW 13.4 400V kW 13.4 500V kW 15 690V kW 15 690V kW 12 400V kW 21 500V kW 21 500V kW 12 400V kW 21 500V kW 12 400V kW 21 500V kW 26 690V kW 36 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series 224V A 23 48V A 23 75V A 23 110V A 6 220V A 23 11 12 48V A 23 110V A 6 220V A 23 15 55 14 <td>IEC Conventional free air thermal current Ith</td> <td>Παλ</td> <td></td> <td></td>	IEC Conventional free air thermal current Ith	Παλ		
AC-1 (≤40°C) A 32 AC-1 (≤40°C) A 23 AC-1 (≤5°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 440V kW 13.4 500V kW 15 690V kW 15 690V kW 11 Rated operational power AC-1 (T≤40°C) 230V kW 21 500V kW 21 500V kW 21 500V kW 21 500V kW 21 500V kW 21 500V kW 36 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 IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V 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 2 poles in series ≤24V A 23 48V A 23 75V A 23 100V A 16 220V A 1			Λ	52
	Operational current le	AC 1 (0°C)</td <td>٨</td> <td>30</td>	٨	30
AC-1 (≤70°C) A 23 AC-3 (≤440V <55°C)		. ,		
AC-3 (s440V ≤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 12 400V kW 21 500V kW 26 690V kW 36 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series 224V A 20 48V A 18 75V A 18 75V A 18 110V A 6 220V A - 23 48V A 23 48V A 23 75V A 16 220V A 1 1 10 16 220V A 1 1 10 16				
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 690V kW 11 Rated operational power AC-1 (T≤40°C) Rated operational power AC-1 (T≤40°C) Rated operational power AC-1 (T≤40°C) Based operational power AC-1 (T≤40°C) Rated operational power AC-1 (T≤40°C) Rated operational power AC-1 (T≤40°C) Rated operational power AC-1 (T≤40°C) Based operational power AC-1 (T≤40°C) 230V kW 12 400V kW 21 500V kW 26 690V kW 36 21 20V A 18 110V A 6 220V A 23 10V A 23 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series \$24V A 23 10 2		. , ,		
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 690V kW 15 690V kW 11 Rated operational power AC-1 (T≤40°C) 230V kW 12 400V kW 21 500V kW 26 690V kW 26 690V kW 36 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 10V A 6 220V A - 2 2 48V A 23 IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V 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 ≤24V A 23<		, , , , , , , , , , , , , , , , , , ,		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Detection el menure AO 2 /T<55°O)	AC-4 (400V)	A	10
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Rated operational power AC-3 (1 \$55°C)	000)/		7
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				
690V kW 11 Rated operational power AC-1 (T≤40°C) 230V kW 12 400V kW 21 500V kW 26 500V kW 36 36 36 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\leq 24V$ A 20 48V A 18 75V A 18 110V A 6 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24V$ A 23 48V A 23 IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24V$ A 23 10 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A 23 12 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A 23 10 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A 23 14 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A 23 23 48V A 23 75V A 23				
Rated operational power AC-1 (T≤40°C) $ \begin{array}{ccccccccccccccccccccccccccccccccccc$				
$ \begin{array}{c} 230 \lor & kW & 12 \\ 400 \lor & kW & 21 \\ 500 \lor & kW & 26 \\ 690 \lor & kW & 36 \end{array} \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 & 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 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)			
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $				
690VkW36IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\leq 24V$ A2048VA1875VA18110VA6220VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24V$ A2348VA2375VA16220VA1IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A23110VA16220VA1IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A23140VA16220VA1IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A2348VA2375VA2348VA2375VA2375VA23				
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		690V	kW	36
$ \begin{array}{cccc} 48V & A & 18 \\ 75V & A & 18 \\ 110V & A & 6 \\ 220V & A & - \end{array} \\ \hline \begin{tabular}{lllllllllllllllllllllllllllllllllll$	IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
$\begin{array}{c cccc} 75 & A & 18 \\ 110 & A & 6 \\ 220 & A & - \end{array}$ IEC max current le in DC1 with L/R < 1ms with 2 poles in series $\begin{array}{c ccccccccccccccccccccccccccccccccccc$			А	
$ \begin{array}{c cccc} 110 & A & 6 \\ 220 & A & - \end{array} \\ \hline \\$				
$220V$ A-IEC max current le in DC1 with L/R < 1ms with 2 poles in series				
IEC max current le in DC1 with L/R < 1ms with 2 poles in series				6
$ \begin{array}{c cccc} \leq 24 \ensuremath{\mathbb{V}} & \ensuremath{\mathbb{A}} & 23 \\ & 48 \ensuremath{\mathbb{V}} & \ensuremath{\mathbb{A}} & 23 \\ & 75 \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}} & 23 \\ & 48 \ensuremath{\mathbb{V}} & \ensuremath{\mathbb{A}} & 23 \\ & 48 \ensuremath{\mathbb{V}} & \ensuremath{\mathbb{A}} & 23 \\ & 75 \ensuremath{\mathbb{A}} & 25 \\ & 75 \mathbb{A$		220V	A	-
$ \begin{array}{cccc} 48 \ensuremath{V} & \ensuremath{A} & 23 \\ 75 \ensuremath{V} & \ensuremath{A} & 23 \\ 110 \ensuremath{V} & \ensuremath{A} & 16 \\ 220 \ensuremath{V} & \ensuremath{A} & 1 \end{array} \end{array} $ IEC max current le in DC1 with L/R < 1ms with 3 poles in series $ \begin{array}{ccc} \leq 24 \ensuremath{V} & \ensuremath{A} & 23 \\ 48 \ensuremath{V} & \ensuremath{A} & 23 \\ 75 \ensuremath{V} & \ensuremath{A} & 23 \\ \end{array} $	IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
$\begin{array}{cccc} 75 \ensuremath{\vee} & A & 23 \\ 110 \ensuremath{\vee} & A & 16 \\ 220 \ensuremath{\vee} & A & 1 \end{array}$ IEC max current le in DC1 with L/R < 1ms with 3 poles in series $\begin{array}{cccc} \leq 24 \ensuremath{\vee} & A & 23 \\ 48 \ensuremath{\vee} & A & 23 \\ 75 \ensuremath{\vee} & A & 23 \end{array}$				
$ \begin{array}{c cccc} 110 V & A & 16 \\ 220 V & A & 1 \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R } \le 1 \mbox{ms with 3 poles in series} \\ & \leq 24 V & A & 23 \\ & 48 V & A & 23 \\ & 75 V & A & 23 \end{array} $				
220V A 1 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 23 48V A 23 75V A 23			А	
IEC max current le in DC1 with L/R < 1ms with 3 poles in series $\leq 24V$ A2348VA2375VA23			А	16
≤24V A 23 48V A 23 75V A 23		220V	Α	1
48V A 23 75V A 23	IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
75V A 23		≤24V	А	23
		48V	А	23
110V A 18		75V	А	23
		110V	А	18

ENERGY AND AUTOMATION

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 25A, AC COIL 50/60HZ, 24VAC, 1NO AUXILIARY CONTACT

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	220V	А	12	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series				
	≤24V	А	_	
	48V	А	_	
	75V	А	_	
	110V	А	_	
	220V	Α	-	
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 1 poles in series				
	≤24V	А	15	
	48V	А	13	
	75V	А	13	
	110V	А	2	
	220V	Α	_	
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 2 poles in series				
	≤24V	А	18	
	48V	А	18	
	75V	А	16	
	110V	А	10	
	220V	Α	2	
IEC max current le in DC3-DC5 with L/R \leq 15ms with 3 poles in series				
	≤24V	А	22	
	48V	А	22	
	75V	А	18	
	110V	А	15	
	220V	А	8	
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 4 poles in series				
	≤24V	А	-	
	48V	А	-	
	75V	А	-	
	110V	А	-	
	220V	А	-	
Short-time allowable current for 10s (IEC/EN60947-1)		A	200	
Protection fuse				
	gG (IEC)	А	50	
	aM (IEC)	А	25	
Making capacity (RMS value)		Α	250	
Breaking capacity at voltage				
	440V	А	200	
	500V	А	184	
	690V	А	102	
Resistance per pole (average value)		mΩ	2.5	
Power dissipation per pole (average value)				
	Ith	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	

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THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 25A, AC COIL 50/60HZ, 24VAC, 1NO AUXILIARY CONTACT

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Max augebeen of the		max	lbin	0.74
	simultaneously connectable		Nr.	2
Conductor section				
	AWG/Kcmil			40
	Flavible	max		10
	Flexible w/o lug conductor section			4
		min	mm² mm²	1
	Flowible a/w lug conductor agotion	max	11111-	6
	Flexible c/w lug conductor section	min	mm²	1
		min	mm²	
	Flowible with inculated anode lug conductor agation	max	111111	4
	Flexible with insulated spade lug conductor section	min	mm ²	1
		min	mm² mm²	1 4
		max	11111-	
Power terminal prote	ction according to IEC/EN 60529			IP20 when
Mechanical features				properly wired
Operating position				
		normal		Vertical plan
		allowable		±30°
		allowable		Screw / DIN ra
Fixing				35mm
Weight			g	360
Conductor section			9	
	AWG/kcmil conductor section			
		max		10
Auxiliary contact char	acteristics	max		
Thermal current Ith			А	10
IEC/EN 60947-5-1 de	esignation			A600 - P600
Operating current AC				
		230V	А	3
		230V 400V	A A	3 19
		400V	А	1.9
	12			
	12	400V 500V	A A	1.9 1.4
Operating current DC		400V	А	1.9
		400V 500V 110V	A A A	1.9 1.4 5.7
Operating current DC		400V 500V 110V 24V	A A A	1.9 1.4 5.7 5.7
Operating current DC		400V 500V 110V 24V 48V	A A A A A	1.9 1.4 5.7 5.7 2.9
Operating current DC		400V 500V 110V 24V 48V 60V	A A A A A A	1.9 1.4 5.7 5.7 2.9 2.3
Operating current DC		400V 500V 110V 24V 48V 60V 110V	A A A A A A A	1.9 1.4 5.7 5.7 2.9 2.3 1.25
Operating current DC		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	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	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 Operating current DC		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
Operating current DC 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 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 Operating current DC Operations Mechanical life Electrical 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
Operating current DC 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 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 Operating current DC Operations Mechanical life Electrical life Safety related data		400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	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 Operating current DC Operations Mechanical life Electrical life Safety related data	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 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
Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B ²	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 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 1200000
Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B ²	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 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, 24VAC, 1NO AUXILIARY CONTACT

Rated AC voltage at 5	0/60Hz		V	24
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up	min	%Us	80
		min max	%Us %Us	110
	drop-out	Παλ	/003	110
		min	%Us	20
		max	%Us	55
	of 50/60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	85
		max	%Us	110
	drop-out			
		min	%Us	20
	mention of 20%0	max	%Us	55
AC average coil consu	•			
	of 50/60Hz coil powered at 50Hz	in-rush	VA	75
		holding	VA VA	9
	of 50/60Hz coil powered at 60Hz	nording	V/ (5
		in-rush	VA	70
		holding	VA	6.5
	of 60Hz coil powered at 60Hz	-		
		in-rush	VA	75
		holding	VA	9
Dissipation at holding	≤20°C 50Hz		W	2.5
Max cycles frequency				
Mechanical operation			cycles/h	3600
Operating times	ntrol		cycles/h	3600
Operating times			cycles/h	3600
Operating times	in AC		cycles/h	3600
Operating times		min		
Operating times	in AC	min max	ms	8
Operating times	in AC Closing NO	min max		
Operating times	in AC		ms	8
Operating times	in AC Closing NO Opening NO	max	ms ms	8 24
Operating times	in AC Closing NO	max	ms ms ms	8 24 10 20
Operating times	in AC Closing NO Opening NO	max	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 of	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	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	in AC Closing NO Opening NO Closing 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	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 UL technical data Full-load current (FLA)	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	in AC Closing NO Opening NO Closing NC Opening NC opening NC opening NC erformance	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 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 UL technical data Full-load current (FLA)	in AC Closing NO Opening NO Closing NC Opening NC opening NC opening NC erformance	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 erformance	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
Operating times Average time for Us co UL technical data Full-load current (FLA)	in AC Closing NO Opening NO Closing NC Closing NC Opening NC opening NC Provide three-phase AC motor	max min max min max min max at 480V at 600V	ms ms ms ms ms ms a A A HP	8 24 10 20 14 28 7 18 21 17 2

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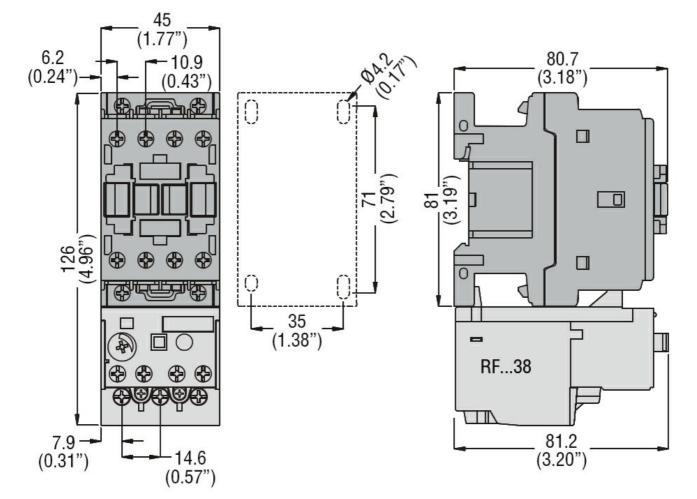
BF2510A024 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 25A, AC COIL 50/60HZ, 24VAC, 1NO AUXILIARY CONTACT

		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 protect				
	High fault			
		Short circuit current	kA	100
		Fuse rating	А	60
		Fuse class		J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	A	100
	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 & Prote	ection			
Pollution degree				3

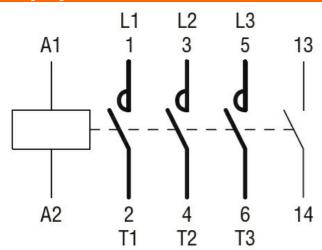
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THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 25A, AC COIL 50/60HZ, 24VAC, 1NO AUXILIARY CONTACT



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	
	CCC

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CULus EAC ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching