



Product type designation BF09 Contact characteristics N: 3 Rated insulation voltage Ui IEC/EN V 690 Rated insulation voltage Uimp KV 6 Operational frequency min Hz 25 IEC Conventional free air thermal current lth A 25 Operational current le AC-1 (s40°C) A 25 AC-1 (s55°C) A 20 AC-1 (s70°C) A 9 AC-3 (s440V s5°C) A 9 AC-4 (400V) A 4.9 Rated operational power AC-3 (T≤55°C) 230V kW 2.2 400V kW 4.5 440V kW 4.5 440V kW 4.8 500V kW 16 500V kW 2.1 690V	Product designation			Power contactor
Number of polesNr.3Rated insulation voltage UinpkV6Operational frequencyminHz25maxHz400IEC Conventional free air thermal current lthA25Operational current leAC-1 (≤40°C)A25AC-1 (≤40°C)A25AC-1 (≤40°C)A29AC-1 (≤55°C)A20AC-3 (≤4400V ≤55°C)A9AC-4 (400V)A4.9Rated operational power AC-3 (T≤55°C)230VkW2.2400VkW4.2415VkW4.5500VkW5.5690VkW5.5690VkW7.5Rated operational power AC-1 (T≤40°C)230VkW8500VkW16500VkW16500VkW2.7IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series24VA524VA1548VA1375VA12110VA6220VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series524VA524VA1848VA1848VA1848VA1848VA12110VA12220VA1IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series524VA18 <td></td> <td></td> <td></td> <td>BF09</td>				BF09
Rated insulation voltage Ui IEC/ENV690Rated inpulse withstand voltage UimpkV6Operational frequencyminHz25maxHz400A25Operational current leAC-1 (s40°C)A25Operational current leAC-1 (s55°C)A20AC-1 (s55°C)A20AC-1 (s55°C)A9AC-3 (s440V s55°C)A9AC-4 (400V)A4.9Rated operational power AC-3 (T≤55°C)230VkW4.2415VkW4.5440V kW4.8500VkW5.5690VkW7.5Rated operational power AC-1 (T≤40°C)230VkW9.5400VkW16500VkW2.75690VkW2.7IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series224VA1548VA1375VA12110VA6220VA1IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series224VA1848VA1848VA1848VA1875VA17110VA12220VA1IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series224VA1848VA1875VA17110VA12220VA11EC max current le in DC1 with L/R ≤ 1ms with 3 poles in serie			N La	0
Rated impulse withstand voltage UlimpkV6Operational frequencyminHz25maxHz400IEC Conventional free air thermal current lthA25Operational current leAC-1 (\$40°C)A25AC-1 (\$55°C)A20AC-1 (\$55°C)A9AC-3 (\$440V \$55°C)A9AC-3 (\$440V \$55°C)A9Rated operational power AC-3 (T≤55°C)230VkW2.2400VkW4.9Rated operational power AC-3 (T≤55°C)230VkW4.2415VkW4.5440VkW4.8500VkW5.5690VkW5.5Rated operational power AC-1 (T≤40°C)230VkW9.5400VkW21IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series\$24VA1548VA1375VA1210VA6220VA1IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series\$24VA1848VA1875VA17110VA12220VA1IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series\$24VA1875VA17IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series\$24VA1875VA17IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series\$24VA1875VA17100VA <t< td=""><td></td><td></td><td></td><td></td></t<>				
Operational frequency min Hz 25 max Hz 400 400 IEC Conventional fore air thermal current lth A 25 Operational current le AC-1 (\$40°C) A 25 AC-1 (\$55°C) A 20 AC-1 (\$55°C) A 20 AC-1 (\$400°C) A 9 AC-4 (400V) A 4.9 Rated operational power AC-3 (T≤55°C) 230V kW 2.2 400V kW 4.5 440V kW 4.5 440V kW 4.5 440V kW 4.5 690V kW 7.5 Rated operational power AC-1 (T≤40°C) 230V kW 9.5 400V kW 16 500V kW 16 500V kW 27 16C IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series \$24V A 15 48V A 13 75V A 12 10V A 6 220V A - </td <td></td> <td></td> <td></td> <td></td>				
min Hz 25 max Hz 400 IEC Conventional free air thermal current Ith A 25 Operational current le AC-1 (\$40°C) A 25 AC-1 (\$55°C) A 20 AC-1 (\$55°C) A 20 AC-1 (\$57°C) A 18 AC-3 (\$4400 \$55°C) A 9 AC-3 (\$4400 \$55°C) A 9 AC-4 (4000) A 4.9 Rated operational power AC-3 (T≤55°C) 2300 kW 2.2 4000 kW 4.2 4000 kW 4.5 4400 kW 4.5 400V kW 4.5 400V kW 4.5 400V kW 4.5 400V kW 4.5 690V kW 7.5 5 690V kW 21 690V kW 2.7 16 500V kW 21 690V kW 21 690V kW 2.7 10V A 6 220V A 1 IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series \$24V A 18 48V A 18			KV	0
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IEC Conventional free air thermal current lthA25Operational current leAC-1 (s40°C)A25AC-1 (s55°C)A20AC-1 (s70°C)A18AC-3 (s440V s55°C)A9AC-4 (400V)A4.9Rated operational power AC-3 (T≤55°C)230VkW2.2400VkW4.5440VkW4.5440VkW4.5440VkW4.8500VkW5.5690VkW9.5400VkW16500VkW21690VkW21690VkW2116C max current le in DC1 with L/R ≤ 1ms with 1 poles in series\$24VA\$24VA1548VA12110VA6220VA1IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series\$24VA\$24VA1848VA1875VA12110VA12220VA1IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series\$24VA\$24VA1848VA12220VA1IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series\$24VA\$22VA1IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series\$22VA\$22VA11EC m				
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$\begin{array}{cccccccccccccccccccccccccccccccccccc$			A	25
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Operational current le	$A = \frac{1}{2} (240^{\circ} - 1)$	٨	25
$\begin{array}{cccccccccccccccccccccccccccccccccccc$				
$\begin{array}{c cccc} AC-3 (\leq 440V \leq 55^{\circ} C) & A & 9 \\ AC-4 (400V) & A & 4.9 \\ \hline Rated operational power AC-3 (T \leq 55^{\circ} C) & & & & \\ & & & & & \\ & & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ &$				
AC-4 (400V) A 4.9 Rated operational power AC-3 (T≤55°C) 230V kW 2.2 400V kW 4.2 415V kW 4.5 440V kW 4.8 500V kW 4.5 440V kW 4.8 500V kW 5.5 690V kW 7.5 Rated operational power AC-1 (T≤40°C) 230V kW 9.5 400V kW 16 500V kW 21 690V kW 21 690V kW 27 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 15 48V A 13 75V A 12 110V A 6 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 18 48V A 18 75V A 12 220V A 17 110V A 12 10V A 12 20V				
Rated operational power AC-3 (T≤55°C) 230V kW 2.2 400V kW 4.2 415V kW 4.5 440V kW 4.8 500V kW 5.5 690V kW 7.5 Rated operational power AC-1 (T≤40°C) 230V kW 9.5 400V kW 9.5 400V kW 16 500V kW 21 690V kW 27 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 15 48V A 13 75V A 12 1IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 18 48V A 18 48V A 18 75V A 17 110V A 12 220V A 1 110V A 12 220V A 1 110V A 12 220V A 1 12 10 <td></td> <td></td> <td></td> <td></td>				
$\begin{array}{c} 230 \lor kW & 2.2 \\ 400 \lor kW & 4.2 \\ 415 \lor kW & 4.5 \\ 440 \lor kW & 4.5 \\ 440 \lor kW & 4.8 \\ 500 \lor kW & 5.5 \\ 690 \lor kW & 7.5 \end{array}$ Rated operational power AC-1 (T≤40°C) $\begin{array}{c} 230 \lor kW & 9.5 \\ 400 \lor kW & 16 \\ 500 \lor kW & 21 \\ 690 \lor kW & 21 \\ 690 \lor kW & 27 \end{array}$ IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\begin{array}{c} \leq 24 \lor A & 15 \\ 48 \lor A & 13 \\ 75 \lor A & 12 \\ 110 \lor A & 6 \\ 220 \lor A & - \end{array}$ IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\begin{array}{c} \leq 24 \lor A & 18 \\ 48 \lor A & 18 \\ 75 \lor A & 12 \\ 110 \lor A & 6 \\ 220 \lor A & - \end{array}$ IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\begin{array}{c} \leq 24 \lor A & 18 \\ 48 \lor A & 18 \\ 75 \lor A & 12 \\ 110 \lor A & 6 \\ 220 \lor A & - \end{array}$ IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\begin{array}{c} \leq 24 \lor A & 18 \\ 48 \lor A & 18 \\ 75 \lor A & 12 \\ 110 \lor A & 12 \\ 220 \lor A & 1 \end{array}$	Poted operational networ AC 2 (T <ee°c)< td=""><td>AC-4 (400V)</td><td>A</td><td>4.9</td></ee°c)<>	AC-4 (400V)	A	4.9
$ \begin{array}{cccc} 400 & kW & 4.2 \\ 415 & kW & 4.5 \\ 440 & kW & 4.8 \\ 500 & kW & 5.5 \\ 690 & kW & 7.5 \end{array} \\ \hline \begin{tabular}{lllllllllllllllllllllllllllllllllll$		2201/	L-\\\/	2.2
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				
$ \begin{array}{c} 440 \lor kW 4.8 \\ 500 \lor kW 5.5 \\ 690 \lor kW 7.5 \end{array} \\ \hline \begin{tabular}{lllllllllllllllllllllllllllllllllll$				
$ \begin{array}{c c} 500 \\ 500 \\ 690 \\ kW \\ 7.5 \\ \hline \end{array} \\ \hline \bigg $ \\ \hline \hline \rule \\ \hline \\ \hline \rule \\ \hline \end{array} \\ \hline \end{array} \\ \hline \\ \hline \\ \hline \rule \hline \rule \hline \rule \\ \hline \\ \hline \rule \hline \rule \\ \hline \\ \hline \\ \hline \\ \hline \rule \\ \hline \rule \\ \hline \rule \\ \hline \\ \hline \rule \\ \hline \\ \hline \\ \hline \rule \\ \hline \rule \\ \hline \\ \\				
$ \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) $230V$ kW9.5 $400V$ kW16 $500V$ kW21 $690V$ kW27IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\leq 24V$ A15 $48V$ A1375VA12 $110V$ A6220VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24V$ A18 $48V$ A1875VA17 $110V$ A12220VA1IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A18 $1EC$ max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A18				
$\begin{array}{c} 230 \vee & k W & 9.5 \\ 400 \vee & k W & 16 \\ 500 \vee & k W & 21 \\ 690 \vee & k W & 27 \end{array}$ IEC max current le in DC1 with L/R \leq 1ms with 1 poles in series $\begin{array}{c} \leq 24 \vee & A & 15 \\ 48 \vee & A & 13 \\ 75 \vee & A & 12 \\ 110 \vee & A & 6 \\ 220 \vee & A & - \end{array}$ IEC max current le in DC1 with L/R \leq 1ms with 2 poles in series $\begin{array}{c} \leq 24 \vee & A & 15 \\ 48 \vee & A & 13 \\ 75 \vee & A & 12 \\ 110 \vee & A & 6 \\ 220 \vee & A & - \end{array}$ IEC max current le in DC1 with L/R \leq 1ms with 2 poles in series $\begin{array}{c} \leq 24 \vee & A & 18 \\ 48 \vee & A & 18 \\ 75 \vee & A & 17 \\ 110 \vee & A & 12 \\ 220 \vee & A & 1 \end{array}$ IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series $\begin{array}{c} 110 \vee & A & 12 \\ 220 \vee & A & 1 \end{array}$	Rated operational power AC-1 (T<40°C)	0001		1.5
$ \begin{array}{c c c c c c c } & 400 \lor & k \lor & 16 \\ & 500 \lor & k \lor & 21 \\ & 690 \lor & k \lor & 27 \end{array} \\ \hline \begin{tabular}{ll c c c c } & EC max current le in DC1 with L/R \leq 1ms with 1 poles in series \end{array} \\ \hline \begin{tabular}{ll c c c c c } & \leq 24 \lor & A & 15 \\ & 48 \lor & A & 13 \\ & 75 \lor & A & 12 \\ & 110 \lor & A & 6 \\ & 220 \lor & A & - \end{array} \\ \hline \begin{tabular}{ll c c c c c c } & EC max current le in DC1 with L/R \leq 1ms with 2 poles in series \end{array} \\ \hline \begin{tabular}{ll c c c c c } & \leq 24 \lor & A & 18 \\ & 48 \lor & A & 18 \\ & 48 \lor & A & 18 \\ & 75 \lor & A & 17 \\ & 110 \lor & A & 12 \\ & 220 \lor & A & 1 \end{array} \\ \hline \end{tabular} \\ \hline $		230\/	k\M	95
$ \begin{array}{c c} 500 \lor kW & 21 \\ 690 \lor kW & 27 \\ \hline \\ $				
$\begin{array}{c c c c c c c } \hline 690V & kW & 27 \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 1 poles in series} \\ \hline \mbox{$\le 24V$ A $ 15$} \\ \hline \mbox{$48V$ A $ 13$} \\ \hline \mbox{$75V$ A $ 12$} \\ \hline \mbox{$110V$ A $ 6$} \\ \hline \mbox{$220V$ A $ -$} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 2 poles in series} \\ \hline \mbox{$\le 24V$ A $ 18$} \\ \hline \mbox{$48V$ A $ 18$} \\ \hline \mbox{$75V$ A $ 17$} \\ \hline \mbox{$110V$ A $ 12$} \\ \hline \mbox{$75V$ A $ 17$} \\ \hline \mbox{$110V$ A $ 12$} \\ \hline \mbox{$220V$ A $ 12$} \\ \hline \mbox{$75V$ A $ 17$} \\ \hline \mbox{$110V$ A $ 12$} \\ \hline \mbox{$220V$ A $ 1$} \\ \hline \mbox{$110V$ A $ 12$} \\ \hline \mbox{$220V$ A $ 1$} \\ \hline \mbox{$110V$ A $ 12$} \\ \hline \mbox{$220V$ A $ 1$} \\ \hline \mbox{$110V$ A $ 12$} \\ \hline \mbox{$220V$ A $ 1$} \\ \hline \mbox{$110V$ A $ 12$} \\ \hline \mbox{$220V$ A $ 1$} \\ \hline \mbox{$110V$ A $ 12$} \\ \hline \mbox{$220V$ A $ 1$} \\ \hline \mbox{$110V$ A $ 12$} \\ \hline \mbox{$220V$ A $ 1$} \\ \hline \mbox{$110V$ A $ 12$} \\ \hline \mbox{$220V$ A $ 1$} \\ \hline \mbox{$110V$ A $ 12$} \\ \hline \mbox{$220V$ A $ 1$} \\ \hline \mbox{$110V$ A $ 12$} \\ \hline \mbox{$220V$ A $ 1$} \\ \hline \mbox{$110V$ A $ 12$} \\ \hline \mbox{$220V$ A $ 1$} \\ \hline \mbox{$110V$ A $ 12$} \\ \hline \mbox{$220V$ A $ 1$} \\ \hline \mbox{$110V$ A $ 12$} \\ \hline \mbox{$220V$ A $ 1$} \\ \hline \mbox{$110V$ A $ 12$} \\ \hline \mbox{$220V$ A $ 1$} \\ \hline \\mbox{$110V$ A $ 12$} \\ \hline \mbox{$220V$ A $ 1$} \\ \hline \\mbox{$110V$ A $ 12$} \\ \hline \mbox{$220V$ A $ 1$} \\ \hline \\mbox{$1200$ } \\ \hline \mbox{$110V$ A $ 12$} \\ \hline \mbox{$220V$ A $ 1$} \\ \hline \\mbox{$1000$ } \\ \hline \1000 $				
IEC max current le in DC1 with L/R \leq 1ms with 1 poles in series $\leq 24V$ A1548VA1375VA12110VA6220VA-IEC max current le in DC1 with L/R \leq 1ms with 2 poles in series $\leq 24V$ A1848VA1875VA17110VA12220VA1				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	IFC max current le in DC1 with $I/R \le 1$ ms with 1 poles in series			
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		≤24∨	А	15
$\begin{array}{c cccc} 75 & A & 12 \\ 110 & A & 6 \\ 220 & A & - \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R \leq 1ms with 2 poles in series} \\ & \leq 24 V & A & 18 \\ 48 V & A & 18 \\ 75 V & A & 18 \\ 75 V & A & 17 \\ 110 V & A & 12 \\ 220 V & A & 1 \\ \hline \mbox{IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series} \\ \hline \end{array}$				
$\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 $				
IEC max current le in DC1 with L/R \leq 1ms with 2 poles in series $\leq 24V$ A48VA48VA75VA17110VA220VA1IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series			_	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
$ \begin{array}{cccc} 48 V & A & 18 \\ 75 V & A & 17 \\ 110 V & A & 12 \\ 220 V & A & 1 \\ \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \end{array} $		≤24V	А	18
$\begin{array}{cccc} 75 \mbox{V} & \mbox{A} & 17 \\ 110 \mbox{V} & \mbox{A} & 12 \\ 220 \mbox{V} & \mbox{A} & 1 \end{array}$ IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series				
$\begin{array}{c c} 110 V & A & 12 \\ 220 V & A & 1 \end{array}$ IEC max current le in DC1 with L/R < 1ms with 3 poles in series				
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series				
		220V	А	1
	IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
≤24V A 20		≤24V	А	20
48V A 20		48V		
75V A 20		75V		
110V A 15		110V	А	15



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, AC COIL 50/60HZ, 230VAC, 1NC AUXILIARY CONTACT

	220V	А	10	
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series				
	≤24V	А	20	
	48V	А	20	
	75V	А	20	
	110V	А	16	
	220V	A	12	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			. –	
	≤24V	А	10	
	48V			
		A	9	
	75V	A	8	
	110V	A	2	
	220V	A	_	
IEC max current le in DC3-DC5 with L/R \leq 15ms with 2 poles in series				
	≤24V	Α	13	
	48V	А	11	
	75V	А	10	
	110V	А	7	
	220V	A	2	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	2201		L	
	≤24V	А	15	
	48V	A		
			15	
	75V	A	13	
	110V	A	11	
	220V	A	6	
IEC max current le in DC3-DC5 with L/R \leq 15ms with 4 poles in series				
	≤24V	Α	15	
	48V	А	15	
	75V	А	15	
	110V	А	12	
	220V	А	7	
Short-time allowable current for 10s (IEC/EN60947-1)		А	150	
Protection fuse				
	gG (IEC)	А	25	
	aM (IEC)		10	
Making apparity (DMC value)		<u>A</u>		
Making capacity (RMS value)		Α	90	
Breaking capacity at voltage				
	440V	A	72	
	500V	А	72	
	690V	Α	71	
Resistance per pole (average value)		mΩ	2.5	
Power dissipation per pole (average value)				
· · · · · · ·	lth	W	1.6	
	AC-3	W	0.2	
Tightening torque for terminals				
	min	Nm	1.5	
		Nm	1.8	
	max			
	min	Ibin	1.1	
	max	lbin	1.5	
Tightening torque for coil terminal				
	min	Nm	0.8	
	max	Nm	1	
	min	lbin	0.8	



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, AC COIL 50/60HZ, 230VAC, 1NC AUXILIARY CONTACT

Max number of wires	simultaneously connectable	max	lbin Nr	0.74
	simultaneously connectable		Nr.	2
Conductor section	AWG/Kcmil			
	AWG/RCIIII	may		10
	Flexible w/o lug conductor section	max		10
	Flexible w/o lug conductor section	min	mm²	1
		max	mm²	6
	Flexible c/w lug conductor section	IIIdx		0
		min	mm²	1
		max	mm²	4
	Flexible with insulated spade lug conductor section	тах		•
		min	mm²	1
		max	mm²	4
		max		IP20 when
Power terminal prote	ction according to IEC/EN 60529			properly wired
Mechanical features				, , , ,
Operating position				
		normal		Vertical plan
		allowable		±30°
Civia a				Screw / DIN rai
Fixing				35mm
Weight			g	356
Conductor section				
	AWG/kcmil conductor section			
		max		10
Auxiliary contact chai	racteristics			
Thermal current Ith			Α	10
IEC/EN 60947-5-1 de	esignation			A600 - P600
Operating current AC	215			
		230V	А	3
		400V	А	1.9
		500V	А	1.4
Operating current DC	212			
		110V	А	5.7
Operating current DC	213			
			А	5.7
		24V	~	
		24V 48V	A	2.9
		48V	А	2.9
		48V 60V	A A	2.9 2.3
		48V 60V 110V 125V 220V	A A A	2.9 2.3 1.25 1.1 0.55
		48V 60V 110V 125V	A A A A	2.9 2.3 1.25 1.1
Operations		48V 60V 110V 125V 220V	A A A A	2.9 2.3 1.25 1.1 0.55 0.2
Mechanical life		48V 60V 110V 125V 220V	A A A A	2.9 2.3 1.25 1.1 0.55
Mechanical life Electrical life		48V 60V 110V 125V 220V	A A A A A	2.9 2.3 1.25 1.1 0.55 0.2
Mechanical life Electrical life Safety related data		48V 60V 110V 125V 220V	A A A A A Cycles	2.9 2.3 1.25 1.1 0.55 0.2 20000000
Mechanical life Electrical life Safety related data	10d according to EN/ISO 13489-1	48V 60V 110V 125V 220V	A A A A A Cycles	2.9 2.3 1.25 1.1 0.55 0.2 20000000
Mechanical life Electrical life Safety related data	10d according to EN/ISO 13489-1	48V 60V 110V 125V 220V	A A A A A Cycles	2.9 2.3 1.25 1.1 0.55 0.2 20000000
Mechanical life Electrical life Safety related data	-	48V 60V 110V 125V 220V 600V	A A A A A cycles cycles	2.9 2.3 1.25 1.1 0.55 0.2 20000000 2000000
Mechanical life Electrical life Safety related data Performance level B	-	48V 60V 110V 125V 220V 600V	A A A A A cycles cycles	2.9 2.3 1.25 1.1 0.55 0.2 2000000 2000000

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THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, 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 50				
	pick-u	р		0/11	
			min	%Us	80
		4	max	%Us	110
	drop-0	Dut		0/110	20
			min	%Us	20 55
	of EQ/COLLE acil powered at 60	U-7	max	%Us	55
	of 50/60Hz coil powered at 60				
	pick-u	þ	min	%Us	85
			max	%Us	110
	drop-o	out	max	/003	110
	diop-0	Jui	min	%Us	20
			max	%Us	55
AC average coil consi	umption at 20°C		max	/003	55
	of 50/60Hz coil powered at 50	Hz			
		112	in-rush	VA	75
			holding	VA	9
	of 50/60Hz coil powered at 60	Hz	nording	۷A	•
		112	in-rush	VA	70
			holding	VA	6.5
	of 60Hz coil powered at 60Hz		Holding		0.0
			in-rush	VA	75
			holding	VA	9
Dissipation at holding	≤20°C 50Hz			W	2.5
Max cycles frequency					-
				cycles/h	3600
Mechanical operation Operating times				cycles/h	3600
Mechanical operation	ontrol			cycles/h	3600
Mechanical operation Operating times	ontrol in AC			cycles/h	3600
Mechanical operation Operating times		ng NO		cycles/h	3600
Mechanical operation Operating times	in AC	ng NO	min	cycles/h ms	3600
Mechanical operation Operating times	in AC Closir	-	min max		_
Mechanical operation Operating times	in AC Closir	ng NO ng NO		ms	8 24
Mechanical operation Operating times	in AC Closir	-		ms	8 24 10
Mechanical operation Operating times	in AC Closir Openi	ng NO	max	ms ms	8 24
Mechanical operation Operating times	in AC Closir	ng NO	max min max	ms ms ms ms	8 24 10 20
Mechanical operation Operating times	in AC Closir Openi	ng NO	max min max min	ms ms ms ms ms	8 24 10 20 14
Mechanical operation Operating times	in AC Closir Openi Closir	ng NO ng NC	max min max	ms ms ms ms	8 24 10 20
Mechanical operation Operating times	in AC Closir Openi Closir	ng NO	max min max min max	ms ms ms ms ms ms	8 24 10 20 14 28
Mechanical operation Operating times	in AC Closir Openi Closir	ng NO ng NC	max min max min max min	ms ms ms ms ms ms	8 24 10 20 14 28 7
Mechanical operation Operating times Average time for Us c	in AC Closir Openi Closir	ng NO ng NC	max min max min max	ms ms ms ms ms ms	8 24 10 20 14 28
Mechanical operation Operating times Average time for Us c	in AC Closir Openi Closir Openi	ng NO ng NC	max min max min max min	ms ms ms ms ms ms	8 24 10 20 14 28 7
Mechanical operation Operating times Average time for Us c	in AC Closir Openi Closir	ng NO ng NC	max min max min max min max	ms ms ms ms ms ms ms	8 24 10 20 14 28 7 18
Mechanical operation Operating times Average time for Us c	in AC Closir Openi Closir Openi	ng NO ng NC	max min max min max min max	ms ms ms ms ms ms ms	8 24 10 20 14 28 7 18 7.6
Mechanical operation Operating times Average time for Us c UL technical data Full-load current (FLA	in AC Closir Openi Closir Openi	ng NO ng NC	max min max min max min max	ms ms ms ms ms ms ms	8 24 10 20 14 28 7 18
Mechanical operation Operating times Average time for Us c	in AC Closin Openi Closin Openi	ng NO ng NC	max min max min max min max	ms ms ms ms ms ms ms	8 24 10 20 14 28 7 18 7.6
Mechanical operation Operating times Average time for Us c UL technical data Full-load current (FLA	in AC Closir Openi Closir Openi	ng NO ng NC	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 7.6 0.375
Mechanical operation Operating times Average time for Us c UL technical data Full-load current (FLA	in AC Closin Openi Closin Openi	ng NO ng 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 7.6 0.375 0.75
Mechanical operation Operating times Average time for Us c UL technical data Full-load current (FLA	in AC Closir Openi Closir Openi	ng NO ng NC	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 7.6 0.375
Mechanical operation Operating times Average time for Us c UL technical data Full-load current (FLA	in AC Closin Openi Closin Openi	ng NO ng 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 7.6 0.375 0.75

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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

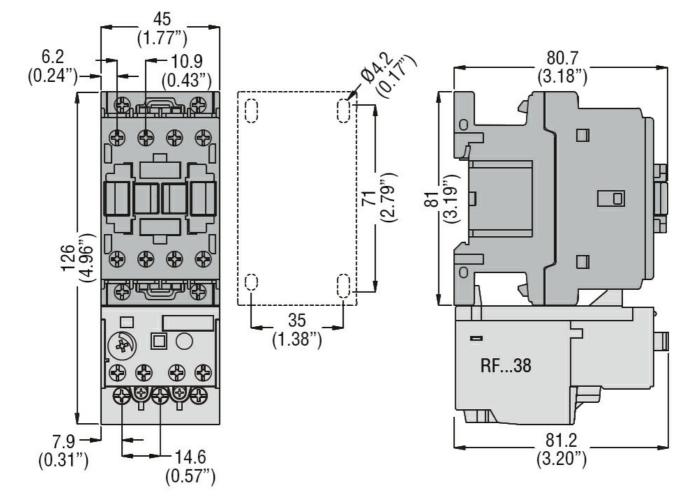


THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, AC COIL 50/60HZ, 230VAC, 1NC AUXILIARY CONTACT

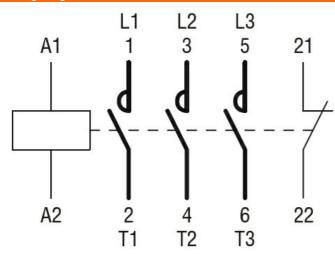
		220/230V	HP	3
		460/480V	HP	5
		575/600V	HP	7.5
General USE				
	Contactor			
		AC current	Α	25
	Auxiliary contacts			
		AC voltage	V	600
		AC current	А	10
		DC voltage	V	250
		DC current	А	1
Short-circuit protecti	on fuse, 600V			
	High fault			
		Short circuit current	kA	100
		Fuse rating	А	30
		Fuse class		J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	А	60
Contact rating of aux	kiliary contacts according to UL			A600 - P600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Charles and termine another			
	Storage temperature			
	Storage temperature	min	°C	-60
	Storage temperature	min max	°C °C	-60 80
Max altitude				
Max altitude Resistance & Protec			°C	80
			°C	80



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, 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	



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 9A, AC COIL 50/60HZ, 230VAC, 1NC AUXILIARY CONTACT

	CCC
	cULus
	EAC
classification	

ETIM 8.0

ETIM

EC000066 -Power contactor, AC switching

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