BF115T4A024



FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 160A, AC COIL 50/60HZ, 24VAC



Product type designation BF115 Sontact characteristics V Number of poles Nr. Arated insulation voltage UI IEC/EN V Atted insulation voltage UIIP KV Operational frequency min Hz 400 EC Conventional free air thermal current Ith A Deperational current Ie AC-1 (\$40°C) A AC-1 (\$40°C) A 160 AC-1 (\$40°C) A 160 AC-1 (\$40°C) A 115 AC-1 (\$40°C) A 116 AC-1 (\$40°C) A 115 AC-1 (\$400°C) A 115 AC-1 (
Contact characteristicsNr.4Number of polesNr.4Rated insulation voltage UIEC/ENV1000Rated insulation voltage UIEC/ENV8Operational frequencyminHz25maxHz400400EC Conventional free air thermal current IthA160Deperational current leAC-1 (≤40°C)A160AC-1 (S5°C)A115AC-4 (400V)A54Rated operational current AC-3 (T≤55°C)230VA115Ac-4 (400V)A54500VA115415VA115440VA115400VA115500VA106690VA1061000VA39EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $≤24V$ A160 $220V$ A120110VA10220VA160110VA160110VA160220VA14EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $≤24V$ A160110VA130220VA14EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $≤24V$ A16048VA160110VA140220VA14220VA140EC max current le in DC1 with L/R ≤ 1ms with 4 poles in series $≤24V$ A160110VA16	Product designation			Power contacto
Number of poles Nr. 4 atted insulation voltage Ui IEC/EN Stated inpulse withstand voltage Uimp Derational frequency min Hz 25 max Hz 400 EC Conventional free air thermal current lth A 160 Deparational current Ie AC-1 (s40°C) A 160 AC-1 (s55°C) A 130 AC-1 (s55°C) A 130 AC-1 (s55°C) A 115 AC-3 (s440V S5°C) A 115 AC-4 (400V) A 54 Rated operational current AC-3 (T≤55°C) 230V A 115 400V A 115 400V A 115 400V A 115 500V A 106 690V A 106 690V A 106 690V A 106 690V A 106 690V A 106 61000V A 39 EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series EC max current le in DC1 with L/R ≤ 1ms with 4 poles in series EC max current le in DC1 with L/R ≤ 1ms with 4 poles in series EC max current le in DC1 with L/R ≤ 1ms with 4 poles in series EC max current le in DC1 with L/R ≤ 1ms with 4 poles in series EC max current le in DC1 with L/R ≤ 1ms with 4 poles in series EC max current le in DC1 with L/R ≤ 1ms with 4 poles in series EC max current le in DC1 with L/R ≤ 1ms with 4 poles in series EC max current le in DC1 with L/R ≤ 1ms with 4 poles in series EC max current le in DC1 with L/R ≤ 1ms with 4 poles in series EC max current le in DC1 with L/R ≤ 1ms with 4 poles in series EC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	Product type designation			BF115
Rated insulation voltage Ui IEC/EN V 1000 Rated impulse withstand voltage Uimp V V 8 Diperational frequency min Hz 25 max Hz 400 EC Conventional free air thermal current Ith A 160 Diperational current le AC-1 (≤40°C) A 160 AC-1 (≤55°C) A 115 AC-3 (≤440V ≤55°C) A 115 AC-3 (≤440V ≤55°C) A 115 AC-4 (400V) A 54 Rated operational current AC-3 (T≤55°C) 230V A 115 400V A 115 400V A 115 415V A 115 415V A 115 500V A 106 690V A 106 1000V A 39 EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 160 48V A 160 75V A 120 110V A 10 220V A 14 EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 160 48V A 160 75V A 160 110V A 10 220V A 14 EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 160 48V A 160 75V A 160 110V A 130 220V A 14 EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 160 48V A 160 75V A 160 110V A 130 220V A 14 EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 160 48V A 160 75V A 160 110V A 130 220V A 14 EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 160 48V A 160 75V A 160 110V A 130 220V A 14 EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 160 48V A 160 75V A 160 110V A 140 220V A 145 EC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	Contact characteristics			
Rated impulse withstand voltage Uimp kV 8 Deparational frequency min Hz 25 max Hz 400 EC Conventional free air thermal current lth A 160 Deparational current le AC-1 (≤40°C) A 160 AC-1 (≤55°C) A 130 AC-1 (≤55°C) A 135 AC-3 (≤4400V) A 54 Rated operational current AC-3 (T≤55°C) 230V A 115 AC-4 (400V) A 54 Rated operational current AC-3 (T≤55°C) 230V A 115 400V A 115 415V A 115 415V A 115 400V A 39 EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series 524V A 160 48V A 160 75V A 120 110V A 10 220V A - EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series 524V A 160 48V A 160 75V A 160 100V A 330 220V A 14 EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series 524V A 160 48V A 160 75V A 160 110V A 10 220V A - EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series 524V A 160 110V A 10 220V A 14 EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series 524V A 160 110V A 140 220V A 14 EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series 524V A 160 110V A 140 220V A 14 EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series 524V A 160 110V A 140 220V A 145 EC max current le in DC1 with L/R ≤ 1ms with 4 poles in series 524V A 160 110V A 140 220V A 145 EC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	Number of poles		Nr.	4
Sperational frequency min Hz 25 max HZ 400 EC Conventional free air thermal current lth A 160 Operational current le AC-1 (≤40°C) A 160 AC-1 (≤55°C) A 130 AC-1 (≤55°C) A 130 AC-3 (≤440V ≤55°C) A 115 AC-4 (400V) A 54 Rated operational current AC-3 (T≤55°C) 230V A 115 416V A 115 AC-4 (400V) A 115 416V A 115 415V A 115 500V A 106 690V A 106 690V A 106 1000V A 39 EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 160 200V A 120 110V A 130 200V A 160 48V A 160 48V A 160 14V A	Rated insulation voltage Ui IEC/EN		V	1000
min Hz 25 max Hz 400 EC Conventional free air thermal current lth A 160 Operational current le AC-1 (\$40°C) A 160 AC-1 (\$55°C) A 130 AC-1 (\$55°C) A 130 AC-1 (\$55°C) A 115 AC-3 (\$440V) \$55°C) A 115 AC-3 (\$440V) A 54 AC-4 (400V) A 54 Rated operational current AC-3 (T≤55°C) 230V A 115 400V A 115 400V A 115 500V A 106 690V A 106 690V A 106 1000V A 39 EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series \$24V A 160 75V A 120 110V A 10 20V A 160 110V A 160	Rated impulse withstand voltage Uimp		kV	8
max Hz 400 EC Conventional free air thermal current lth A 160 Deprational current le AC-1 (≤40°C) A 160 AC-1 (≤55°C) A 130 AC-1 (≤40°C) A 115 AC-3 (≤440V ≤55°C) A 115 AC-3 (≤440V ≤55°C) A 115 AC-3 (≤440V ≤55°C) A 115 AC-4 (400V) A 54 Rated operational current AC-3 (T≤55°C) 230V A 115 AC-4 (400V) A 115 440V A 115 440V A 115 AC-3 (≤400V) A 106 690V A 106 690V A 106 690V A 106 690V A 106 1000V A 39 EC A 160 75V A 120 110V A 120 110V A 120 A 160 75V A 160 220V A <td>Operational frequency</td> <td></td> <td></td> <td></td>	Operational frequency			
EC Conventional free air thermal current lth A 160 Derational current le AC-1 (≤40°C) A 160 AC-1 (≤55°C) A 130 AC-1 (≤70°C) A 115 AC-3 (≤4400 v) A 54 Rated operational current AC-3 (T≤55°C) 230V A 115 400V A 115 440V A 115 440V A 115 440V A 115 690V A 106 690V A 106 690V A 106 1000V A 39 EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\leq 24V$ A 160 75V A 160 110V A 10 220V A - EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24V$ A 160 110V A 10 220V A - EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A 160 110V A 10 220V A 14 EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A 160 110V A 140 220V A 14 EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A 160 110V A 140 220V A 14 EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A 160 110V A 140 220V A 140 220V A 145 EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series		min	Hz	25
Operational current le AC-1 (≤40°C) A 160 AC-1 (≤55°C) A 130 AC-1 (≤70°C) A 115 AC-3 (≤440V ≤55°C) A 115 AC-4 (400V) A 54 Rated operational current AC-3 (T≤55°C) 230V A 115 400V A 115 400V A 115 400V A 115 400V A 115 400V A 115 400V A 115 400V A 115 400V A 115 500V A 106 690V A 106 500V A 106 690V A 106 690V A 106 600V A 106 100V A 39 EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 160 48V A 160 75V A 160 110V A 130 220V A 14 EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 160 <td></td> <td>max</td> <td>Hz</td> <td>400</td>		max	Hz	400
AC-1 (≤40°C) A 160 AC-1 (≤55°C) A 113 AC-2 (≤55°C) A 115 AC-3 (≤40∨ 555°C) A 115 AC-4 (400∨) A 54 Rated operational current AC-3 (T≤55°C) 230∨ A 115 400∨ A 115 415∨ A 115 415∨ A 115 440∨ A 115 500∨ A 106 690∨ A 106 690∨ A 106 690∨ A 106 1000∨ A 39 EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 160 75∨ A 120 110∨ A 10 220∨ A 160 75∨ A 120 110∨ A 10 220∨ A 160 75∨ A 160 110∨ A 10 220∨ A 14 EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 160 75∨ A 160 110∨ A 130 220∨ A 14 EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 160 75∨ A 160 110∨ A 130 220∨ A 14 EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 160 110∨ A 130 220∨ A 14 EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 160 110∨ A 130 220∨ A 14 EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 160 110∨ A 130 220∨ A 14 EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 160 110∨ A 140 220∨ A 145 EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series	IEC Conventional free air thermal current Ith		А	160
$ \begin{array}{cccc} AC-1 (\leq 55^{\circ} C) & A & 130 \\ AC-1 (\leq 70^{\circ} C) & A & 115 \\ AC-3 (\leq 4400 \vee) & A & 54 \\ \end{array} \\ \hline AC-4 (400 \vee) & A & 54 \\ \hline AC-4 (400 \vee) & A & 115 \\ \hline 415 \vee & A & 115 \\ \hline 415 \vee & A & 115 \\ \hline 415 \vee & A & 115 \\ \hline 440 \vee & A & 115 \\ \hline 500 \vee & A & 106 \\ \hline 690 \vee & A & 106 \\ \hline 690 \vee & A & 106 \\ \hline 690 \vee & A & 106 \\ \hline 000 \vee & A & 39 \\ \hline EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series \\ \hline \\ EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series \\ \hline \\ EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series \\ \hline \\ EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series \\ \hline \\ EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series \\ \hline \\ \\ EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series \\ \hline \\ \\ \\ EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series \\ \hline \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $	Operational current le			
$\begin{array}{cccc} AC-1 (\leq 70^{\circ} C) & A & 115 \\ AC-3 (\leq 440V \leq 55^{\circ} C) & A & 115 \\ AC-4 (400V) & A & 54 \\ \hline \\ Rated operational current AC-3 (T \leq 55^{\circ} C) & 230V & A & 115 \\ 400V & A & 115 \\ 400V & A & 115 \\ 400V & A & 115 \\ 415V & A & 115 \\ 500V & A & 106 \\ 690V & A & 106 \\ 690V & A & 106 \\ 1000V & A & 39 \\ \hline \\ EC max current le in DC1 with L/R \leq 1ms with 1 poles in series & \\ & \leq 24V & A & 160 \\ 75V & A & 120 \\ 110V & A & 10 \\ 220V & A & - \\ \hline \\ EC max current le in DC1 with L/R \leq 1ms with 2 poles in series & \\ & \leq 24V & A & 160 \\ 75V & A & 120 \\ 110V & A & 10 \\ 220V & A & - \\ \hline \\ EC max current le in DC1 with L/R \leq 1ms with 2 poles in series & \\ & \leq 24V & A & 160 \\ 75V & A & 160 \\ 110V & A & 130 \\ 220V & A & 14 \\ \hline \\ EC max current le in DC1 with L/R \leq 1ms with 3 poles in series & \\ & \leq 24V & A & 160 \\ 110V & A & 130 \\ 220V & A & 14 \\ \hline \\ EC max current le in DC1 with L/R \leq 1ms with 3 poles in series & \\ & \leq 24V & A & 160 \\ 110V & A & 130 \\ 220V & A & 14 \\ \hline \\ EC max current le in DC1 with L/R \leq 1ms with 4 poles in series & \\ & \leq 24V & A & 160 \\ 110V & A & 140 \\ 220V & A & 14 \\ \hline \\ EC max current le in DC1 with L/R \leq 1ms with 4 poles in series & \\ & \leq 24V & A & 160 \\ 110V & A & 140 \\ 220V & A & 145 \\ \hline \\ \hline \\ EC max current le in DC1 with L/R \leq 1ms with 4 poles in series & \\ & \leq 24V & A & 160 \\ 110V & A & 140 \\ 220V & A & 145 \\ \hline \\ $		AC-1 (≤40°C)	А	160
AC-3 (≤440V ≤55°C) A 115 AC-4 (400V) A 54 Rated operational current AC-3 (T≤55°C) 230V A 115 400V A 115 416V A 115 400V A 115 416V A 115 416V A 116 500V A 106 690V A 106 690V A 160 1000V A 39 EC 220V A 160 75V A 120 110V A 10 220V A 160 48V A 160 75V A 160 48V A 160 75V A 160 110V A 160 220V A 14 160 48V A 160 220V A 160 110V A 160 110V A 130 220V A 14 EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A <t< td=""><td></td><td>AC-1 (≤55°C)</td><td>А</td><td>130</td></t<>		AC-1 (≤55°C)	А	130
AC-4 (400V) A 54 Rated operational current AC-3 (T≤55°C) 230V A 115 400V A 115 415V A 115 440V A 115 440V A 115 500V A 106 690V A 106 100V A 39 EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 160 48V A 160 48V A 160 220V A - - - - EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 160 48V A 160 48V A 160 110V A 130 220V A 14 EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 160 110V A 160 75V A 160 110V A 160 75V A 160 110V A 160		AC-1 (≤70°C)	А	115
Rated operational current AC-3 (T≤55°C) 230V A 115 400V A 115 415V A 115 440V A 115 500V A 106 690V A 106 1000V A 39 EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 160 75V A 120 110V A 10 220V A - 100 220V A - EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 160 75V A 100 220V A - - - - - - EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 160 110V A 130 20V A 14 - - - - - - EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 160 75V A 160 75V A 160		AC-3 (≤440V ≤55°C)	А	115
$\begin{array}{c} 230 \vee & A & 115 \\ 400 \vee & A & 115 \\ 415 \vee & A & 115 \\ 415 \vee & A & 115 \\ 500 \vee & A & 106 \\ 690 \vee & A & 106 \\ 1000 \vee & A & 39 \end{array}$		AC-4 (400V)	А	54
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Rated operational current AC-3 (T≤55°C)			
$ \begin{array}{cccc} 415 & A & 115 \\ 440 & A & 115 \\ 500 & A & 106 \\ 690 & A & 106 \\ 1000 & A & 39 \end{array} \\ \hline \\ EC \mbox{ max current le in DC1 with L/R \leq 1ms with 1 poles in series} \end{array} \\ \begin{array}{ccccccccccccccccccccccccccccccccccc$		230V	А	115
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		400V	А	115
		415V	А	115
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		440V	А	115
$1000V A 39$ EC max current le in DC1 with L/R < 1ms with 1 poles in series $\begin{array}{c} \leq 24V A 160 \\ 48V A 160 \\ 75V A 120 \\ 110V A 10 \\ 220V A -\end{array}$ EC max current le in DC1 with L/R < 1ms with 2 poles in series $\begin{array}{c} \leq 24V A 160 \\ 48V A 160 \\ 48V A 160 \\ 75V A 160 \\ 110V A 130 \\ 220V A 14\end{array}$ EC max current le in DC1 with L/R < 1ms with 3 poles in series $\begin{array}{c} \leq 24V A 160 \\ 48V A 160 \\ 110V A 130 \\ 220V A 14\end{array}$ EC max current le in DC1 with L/R < 1ms with 3 poles in series $\begin{array}{c} \leq 24V A 160 \\ 48V A 160 \\ 110V A 130 \\ 220V A 14\end{array}$ EC max current le in DC1 with L/R < 1ms with 3 poles in series $\begin{array}{c} \leq 24V A 160 \\ 110V A 140 \\ 220V A 140 \\ 220V A 145\end{array}$ EC max current le in DC1 with L/R < 1ms with 4 poles in series $\begin{array}{c} \leq 24V A 160 \\ 110V A 140 \\ 220V A 145\end{array}$		500V	А	106
EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 160 48V A 160 75V A 120 110V A 10 220V A - EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 160 48V A 160 75V A 160 110V A 130 220V A 14 EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 160 110V A 140 220V A 140 220V A 145 EC max current le in DC1 with L/R ≤ 1ms with 4 poles in series EC max current le in DC1 with L/R ≤ 1ms with 4 poles in series EC max current le in DC1 with L/R ≤ 1ms with 4 poles in series		690V	А	106
		1000V	А	39
$ \begin{array}{c c c c c c c c c } & 48 & A & 160 \\ & 75 & A & 120 \\ & 110 & A & 10 \\ & 220 & A & - \end{array} \\ \hline EC \mbox{ max current le in DC1 with L/R \leq 1ms with 2 poles in series} \\ \hline & \leq 24 & A & 160 \\ & 48 & A & 160 \\ & 75 & A & 160 \\ & 110 & A & 130 \\ & 220 & A & 14 \end{array} \\ \hline EC \mbox{ max current le in DC1 with L/R \leq 1ms with 3 poles in series} \\ \hline & \leq 24 & A & 160 \\ & 110 & A & 130 \\ & 220 & A & 14 \end{array} \\ \hline & EC \mbox{ max current le in DC1 with L/R \leq 1ms with 3 poles in series} \\ \hline & \leq 24 & A & 160 \\ & 48 & A & 160 \\ & 75 & A & 160 \\ & 110 & A & 140 \\ & 220 & A & 145 \end{array} \\ \hline & EC \mbox{ max current le in DC1 with L/R \leq 1ms with 4 poles in series} \\ \hline & EC \mbox{ max current le in DC1 with L/R \leq 1ms with 4 poles in series} \\ \hline & = 24 & V & A & 160 \\ \hline & 110 & A & 140 \\ & 220 & A & 145 \end{array}$	EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
$ \begin{array}{c c c c c c } 75 & A & 120 \\ 110 & A & 10 \\ 220 & A & - \end{array} \\ \hline \\$		≤24V	А	160
$ \begin{array}{c c c c c c } 110 & A & 10 \\ 220 & A & - \end{array} \\ \hline \\$		48V	А	160
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		75V	А	120
EC max current le in DC1 with L/R < 1ms with 2 poles in series		110V	А	10
$ \begin{array}{c} \leq 24 \text{V} & \text{A} & 160 \\ 48 \text{V} & \text{A} & 160 \\ 75 \text{V} & \text{A} & 160 \\ 110 \text{V} & \text{A} & 130 \\ 220 \text{V} & \text{A} & 14 \end{array} \\ \hline \text{EC max current le in DC1 with L/R \leq 1 \text{ms with 3 poles in series}} \\ \hline \qquad \qquad$		220V	А	-
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	EC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
$\begin{array}{cccc} 75 & A & 160 \\ 110 & A & 130 \\ 220 & A & 14 \end{array}$ EC max current le in DC1 with L/R \leq 1ms with 3 poles in series $\begin{array}{cccc} \leq 24 & A & 160 \\ 48 & A & 160 \\ 75 & A & 160 \\ 75 & A & 160 \\ 110 & A & 140 \\ 220 & A & 145 \end{array}$ EC max current le in DC1 with L/R \leq 1ms with 4 poles in series $\begin{array}{cccccccccccccccccccccccccccccccccccc$		≤24V	А	160
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		48V	А	160
$220V$ A14EC max current le in DC1 with L/R < 1ms with 3 poles in series		75V	А	160
EC max current le in DC1 with L/R \leq 1ms with 3 poles in series $\leq 24V$ A16048VA16075VA160110VA140220VA145EC max current le in DC1 with L/R \leq 1ms with 4 poles in series $\leq 24V$ A160		110V	А	130
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		220V	А	14
$ \begin{array}{cccc} 48 V & A & 160 \\ 75 V & A & 160 \\ 110 V & A & 140 \\ 220 V & A & 145 \end{array} $	EC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
$\begin{array}{cccc} 75 & A & 160 \\ 110 & A & 140 \\ 220 & A & 145 \end{array}$ EC max current le in DC1 with L/R \leq 1ms with 4 poles in series $\leq 24 V & A & 160 \end{array}$		≤24V	А	160
$ \begin{array}{c c} 110 V & A & 140 \\ 220 V & A & 145 \end{array} \\ \hline \mbox{EC max current le in DC1 with L/R \le 1ms with 4 poles in series} \\ \hline \mbox{\le 24V $ A $=$ 160 } \end{array} $		48V	А	160
220VA145EC max current le in DC1 with L/R < 1ms with 4 poles in series		75V	А	160
EC max current le in DC1 with L/R ≤ 1ms with 4 poles in series ≤24V A 160		110V	А	140
≤24V A 160		220V	Α	145
	IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series			
48V A 160		≤24V	А	160
		48V	А	160



FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 160A, AC COIL 50/60HZ, 24VAC

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	75V	А	160
	110V	А	160
	220V	А	160
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	≤24V	А	160
	48V	A	50
	75V	A	40
	110V	A	6
	220V	A	_
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 2 poles in series	2201	7	
	≤24V	А	160
	48V	A	72
	48V 75V	A	65
	110V		
		A	65 7
	220V	A	7
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 3 poles in series		_	
	≤24V	A	160
	48V	Α	150
	75V	А	100
	110V	А	100
	220V	Α	92
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 4 poles in series			
	≤24V	А	160
	48V	А	120
	75V	А	120
	110V	А	125
	220V	А	115
Short-time allowable current for 10s (IEC/EN60947-1)		А	920
Protection fuse			
	gG (IEC)	А	200
	aM (IEC)	A	125
Making capacity (RMS value)	u ()	A	1500
Breaking capacity at voltage		7	1000
Dicaking capacity at voltage	440V	А	1200
	500V	A	850
	690V		905
	6907	A mΩ	
Resistance per pole (average value)			0.45
		11152	
Power dissipation per pole (average value)			
	lth	W	11.5
Power dissipation per pole (average value)	lth AC-3		11.5 6.0
		W W	6.0
Power dissipation per pole (average value)		W	6.0 6
Power dissipation per pole (average value)	AC-3	W W	6.0
Power dissipation per pole (average value)	AC-3 min	W W	6.0 6
Power dissipation per pole (average value)	AC-3 min max	W W Nm Nm	6.0 6 7
Power dissipation per pole (average value)	AC-3 min max min	W W Nm Nm Ibin	6.0 6 7 4.4
Power dissipation per pole (average value) Tightening torque for terminals	AC-3 min max min	W W Nm Ibin Ibin	6.0 6 7 4.4 5.2
Power dissipation per pole (average value) Tightening torque for terminals	AC-3 min max min max min	W W Nm Ibin Ibin	6.0 6 7 4.4 5.2 0.8
Power dissipation per pole (average value) Tightening torque for terminals	AC-3 min max min max min max	W W Nm Ibin Ibin Ibin	6.0 6 7 4.4 5.2 0.8 1
Power dissipation per pole (average value) Tightening torque for terminals	AC-3 min max min max min max min	W W Nm Ibin Ibin Nm Ibin	6.0 6 7 4.4 5.2 0.8 1 0.59
Power dissipation per pole (average value) Tightening torque for terminals Tightening torque for coil terminal	AC-3 min max min max min max	W W Nm Ibin Ibin Ibin	6.0 6 7 4.4 5.2 0.8 1
Power dissipation per pole (average value) Tightening torque for terminals Tightening torque for coil terminal Conductor section	AC-3 min max min max min max min	W W Nm Ibin Ibin Nm Ibin	6.0 6 7 4.4 5.2 0.8 1 0.59
Power dissipation per pole (average value) Tightening torque for terminals Tightening torque for coil terminal	AC-3 min max min max min max min	W W Nm Ibin Ibin Nm Ibin	6.0 6 7 4.4 5.2 0.8 1 0.59



FOUR-PO

DLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 160A, AC COIL 50/60HZ,	
24VAC	

BF115T4A024

	Flexible w/o lug conductor section			
		min	mm²	1.5
		max	mm²	70
	Flexible c/w lug conductor section			
		min	mm²	1.5
		max	mm²	70
Power terminal protect	tion according to IEC/EN 60529			IP20 front
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
				Screw / DIN rail
Fixing				35mm
Weight			g	2420
Conductor section			9	2420
Conductor Section	ANAC///comil conductor continu			
	AWG/kcmil conductor section			0/0
Onesetiens		max		2/0
Operations				45000000
Mechanical life			cycles	1500000
Electrical life			cycles	1200000
AC coil operating				
Rated AC voltage at 5	0/60Hz		V	24
AC operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	55
	of 50/60Hz coil powered at 60Hz		,	
	pick-up			
	plok up	min	%Us	85
		max	%Us	110
	drop out	Шал	/003	110
	drop-out		0/110	40
		min	%Us	40
<u></u>		max	%Us	55
AC average coil consu				
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	300
		holding	VA	20
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	275
		holding	VA	17
	of 60Hz coil powered at 60Hz			
		in-rush	VA	300
		holding	VA	20
Max cycles frequency				
Mechanical operation			cycles/h	1500
Operating times				
Average time for Us co	ontrol			
	in AC			
	Closing NO			
		min	me	16
		111(1)	ms	10

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FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 160A, AC COIL 50/60HZ,

24VAC

	Opening NO	max	ms	32
	Opening NO	min max	ms ms	9 24
UL technical data				
General USE				
Contactor				
		AC current	А	165
Short-circuit protection fuse, 600V				
High fault				
-		Short circuit current	kA	100
		Fuse rating	А	200
		Fuse class		J
Standard fault				
		Short circuit current	kA	10
		Fuse rating	А	250
		Fuse class		RK5
Ambient conditions				
Temperature				
Operating tempera	ture			
		min	°C	-50
		max	°C	70
Storage temperatu	re			
- · ·		min	°C	-60
		max	°C	+80
Max altitude			m	3000
Dimensions				
⊨		- x0000000000		
0 0 0 0				
		4	08	
	(6.6			
	169.2 (6.66") - 164 (6.46") -		6	

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Wiring diagrams

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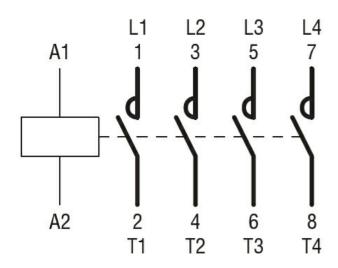
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FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 160A, AC COIL 50/60HZ,

24VAC



Certifications and compliance

Compliance	
	CSA C22.2 n° 60947-1
	CSA C22.2 n° 60947-4-1
	IEC/EN/BS 60947-1
	IEC/EN/BS 60947-4-1
	UL 60947-1
	UL 60947-4-1
Certificates	
	CCC
	cULus
	EAC
ETIM classification	

ETIM 8.0

EC000066 -Power contactor, AC switching