



Product type designation BG12 Ountate characteristics	Product designation			Auxiliary contactor
Number of poles Nr. 3 Rated insulation voltage Ui IEC/EN V 690 Operational frequency min Hz 25 max Hz 400 162 25 IEC Conventional free air thermal current Ith A 20 20 Operational current Ie AC-1 (≤40°C) A 20 AC-1 (555°C) A 18 AC-1 (55°C) A 12 AC-3 (5440v S5°C) A 12 AC-4 (400V) A 4.8 Rated operational power AC-3 (T≤55°C) 230V kW 3.2 400V kW 5.5 Stody kW 5.5 500V kW 5.5 Rated operational power AC-1 (T≤40°C) 230V kW 8 400V kW 5.5 Rated operational power AC-1 (T≤40°C) 230V kW 8 400V kW 5.5 Rated operational power AC-1 (T≤40°C) 230V kW 8 400V kW 8 IEC max current le in DC1 with L/R ≤ 1ms with 1 pole	Product type designation			
Rated insulation voltage Ui IEC/EN V 690 Rated impulse withstand voltage Uimp KV 6 Operational frequency min Hz 25 iEC conventional free air thermal current lth A 20 Operational current le AC-1 (≤40°C) A 20 AC-1 (≤55°C) A 18 AC-1 (≤55°C) A 18 AC-1 (≤55°C) A 12 AC-4 (400V) A 4.8 Rated operational power AC-3 (T≤55°C) 230V kW 3.2 400V kW 5.5 S00V kW 5.5 500V kW 5.5 500V kW 5.5 Rated operational power AC-1 (T≤40°C) 230V kW 8 400V kW 14 500V kW 14 500V kW 14 500V kW 14 500V kW 14 500V kW 14 500V kW 14 500V kW 14 50V	Contact characteristics			
Rated impulse withstand voltage UimpkV6Operational frequencyminHz25maxHz400IEC Conventional free air thermal current lthA20Operational current leAC-1 (s40°C)A20AC-1 (s55°C)A18AC-3 (s440V \$55°C)A12AC-4 (400V)A4.8Rated operational power AC-3 (T≤55°C)230VkW3.2400VkW5.5500VkW5Rated operational power AC-1 (T≤40°C)230VkW8400VkW14500VkW14500VkW14500VkW14500VkW14500VkW14500VkW14500VkW14500VkW14500VkW14500VkW3220VA1548VA1075VA4110VA3220VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series224VA220VA1548VA1675VA1648VA1675VA1675VA1675VA16	Number of poles		Nr.	3
Operational frequencymin maxHz Hz25 maxmaxHz400IEC Conventional free air thermal current lthA 20Operational current leAC-1 (≤40°C)A 20 AC-1 (≤55°C)AC-1 (≤55°C)A AC-3 (≤440V) ≤55°C)Rated operational power AC-3 (T≤55°C)230V 400VkW s.7 415VRated operational power AC-3 (T≤55°C)230V 400VkW s.7 415VRated operational power AC-1 (T≤40°C)230V 800VkW s.5 500VRated operational power AC-1 (T≤40°C)230V 800VkW s.6 800VRated operational power AC-1 (T≤40°C)230V 400VkW s.6 s.6 90VIEC max current le in DC1 with L/R ≤ 1ms with 1 poles in seriesS24V 4 10 75VA 12 48V 4 110 75VIEC max current le in DC1 with L/R ≤ 1ms with 2 poles in seriesS24V 4 4 10 75V 4A 16 48V 4IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in seriesS24V 4 4 16 48V 4A 16 48V 4	Rated insulation voltage Ui IEC/EN		V	690
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Rated impulse withstand voltage Uimp		kV	6
max Hz 400 IEC Conventional firee air thermal current lth A 20 Operational current le AC-1 (\$40°C) A 20 AC-1 (\$55°C) A 18 AC-1 (\$55°C) A 15 AC-3 (\$400 v 55°C) A 12 AC-4 (400V) A 4.8 Rated operational power AC-3 (T≤55°C) 230V KW 3.2 400V kW 5.7 415V kW 5.5 500V kW 5.5 500V kW 5 Rated operational power AC-1 (T≤40°C) 230V kW 8 400V kW 5.5 S00V kW 5 5 500V kW 5 Rated operational power AC-1 (T≤40°C) 230V kW 8 400V kW 16 690V kW 8 400V kW 16 690V 22 16C IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 12 48V A 14	Operational frequency			
IEC Conventional free air thermal current lthA20Operational current leAC-1 (\$40°C)A20AC-1 (\$55°C)A18AC-1 (\$70°C)A15AC-3 (\$440V \$55°C)A12AC-4 (400V)A4.8Rated operational power AC-3 (T≤55°C)230VKW3.2400VkW5.7415VkW6.2440VkW5.5500VkW5Rated operational power AC-1 (T≤40°C)230VkW230VkW8400VkW14500VkW16690VkW14500VkW16690VkW22IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series24VA1EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series24VA220VA-IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series24VA220VA-IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series24VA220VA-IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series24VA224VA1548VA1675VA10		min	Hz	25
Operational current le AC-1 (≤40°C) A 20 AC-1 (≤55°C) A 18 AC-1 (≤55°C) A 18 AC-3 (≤440V ≤55°C) A 12 AC-4 (400V) A 4.8 Rated operational power AC-3 (T≤55°C) 230V kW 3.2 400V kW 5.7 400V kW 5.7 415V kW 6.2 440V kW 5.5 500V kW 5 Rated operational power AC-1 (T≤40°C) 230V kW 8 400V kW 14 500V kW 14 50V kW 14 690V kW 16 690V 690V 22 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series 24V A 12 48V A 10 75V A 4 10 75V A 4 14 75V A 14 75V A 9 110V A 8 20V A <td></td> <td>max</td> <td>Hz</td> <td>400</td>		max	Hz	400
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	IEC Conventional free air thermal current Ith		А	20
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Operational current le			
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		AC-1 (≤40°C)	А	20
AC-3 (≤440V ≤55°C) A 12 AC-4 (400V) A 4.8 Rated operational power AC-3 (T≤55°C) 230V kW 3.2 400V kW 5.7 415V kW 6.2 440V kW 5.5 500V kW 5 Rated operational power AC-1 (T≤40°C) 230V kW 8 400V kW 16 690V kW 16 690V kW 12 16 690V kW 12 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series 224V A 12 48V A 10 75V A 4 110V A 3 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 15 48V A 14 75V A 9 110V A 8 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 15 48V A 14 75V A <td></td> <td>AC-1 (≤55°C)</td> <td>А</td> <td>18</td>		AC-1 (≤55°C)	А	18
AC-3 (≤440V ≤55°C) A 12 AC-4 (400V) A 4.8 Rated operational power AC-3 (T≤55°C) 230V kW 3.2 400V kW 5.7 415V kW 6.2 440V kW 5.5 500V kW 5 Rated operational power AC-1 (T≤40°C) 230V kW 8 400V kW 16 690V kW 16 690V kW 12 16 690V kW 12 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series 224V A 12 48V A 10 75V A 4 110V A 3 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 15 48V A 14 75V A 9 110V A 8 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 15 48V A 14 75V A <td></td> <td></td> <td>А</td> <td>15</td>			А	15
AC-4 (400V) A 4.8 Rated operational power AC-3 (T≤55°C) 230V kW 3.2 400V kW 5.7 415V kW 6.2 440V kW 5.5 500V kW 5 Rated operational power AC-1 (T≤40°C) 230V kW 8 400V kW 14 500V kW 14 690V kW 14 500V kW 14 690V kW 14 500V kW 14 690V kW 14 500V kW 14 100V kW 12 48V A 10 75V A 4 110V A 3 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series 524V A 15 48V A 14 75V A 9 110V A 8 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series 524V A 16 48V			А	12
230V kW 3.2 400V kW 5.7 415V kW 5.2 440V kW 5.5 500V kW 5 Rated operational power AC-1 (T≤40°C) 230V kW 8 400V kW 14 500V kW 14 500V kW 14 500V kW 14 690V kW 14 500V kW 14 16 690V kW 14 10 75V A 12 48V A 10 75V A 4 110V A 3 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series 524V A 15 48V A 14 75V A 9 110V A 8 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series 524V A 15 48V A 14 75V A 9 110V A 8 220V A <td></td> <td>. , , , , , , , , , , , , , , , , , , ,</td> <td>А</td> <td>4.8</td>		. , , , , , , , , , , , , , , , , , , ,	А	4.8
$ \begin{array}{c} 400 \vee & k \mathbb{W} & 5.7 \\ 415 \vee & k \mathbb{W} & 6.2 \\ 440 \vee & k \mathbb{W} & 5.5 \\ 500 \vee & k \mathbb{W} & 5 \end{array} \\ \hline \\ \mbox{Rated operational power AC-1 (T<40°C)} & & & & \\ 230 \vee & k \mathbb{W} & 8 \\ 400 \vee & k \mathbb{W} & 14 \\ 500 \vee & k \mathbb{W} & 14 \\ 500 \vee & k \mathbb{W} & 16 \\ 690 \vee & k \mathbb{W} & 22 \end{array} \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 1 poles in series} & & \\ \hline \\ \mbox{Substitution of the series} & & \\ \hline \\ \mbox{Substitution of the series} & & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 2 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 2 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 2 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 2 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 2 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 2 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ IEC max current l$	Rated operational power AC-3 (T≤55°C)			
$ \begin{array}{c} 400 \vee & k \mathbb{W} & 5.7 \\ 415 \vee & k \mathbb{W} & 6.2 \\ 440 \vee & k \mathbb{W} & 5.5 \\ 500 \vee & k \mathbb{W} & 5 \end{array} \\ \hline \\ \mbox{Rated operational power AC-1 (T<40°C)} & & & & \\ 230 \vee & k \mathbb{W} & 8 \\ 400 \vee & k \mathbb{W} & 14 \\ 500 \vee & k \mathbb{W} & 14 \\ 500 \vee & k \mathbb{W} & 16 \\ 690 \vee & k \mathbb{W} & 22 \end{array} \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 1 poles in series} & & \\ \hline \\ \mbox{Substitution of the series} & & \\ \hline \\ \mbox{Substitution of the series} & & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 2 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 2 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 2 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 2 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 2 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 2 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ \mbox{IEC max current le in DC1 with L/R < 1ms with 3 poles in series} & \\ \hline \\ IEC max current l$		230V	kW	3.2
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				
$ \begin{array}{c cccc} 440 \vee & kW & 5.5 \\ 500 \vee & kW & 5 \\ \hline 809 \vee & kW & 5 \\ \hline 809 \vee & kW & 5 \\ \hline 809 \vee & kW & 8 \\ 400 \vee & kW & 14 \\ 500 \vee & kW & 16 \\ 690 \vee & kW & 22 \\ \hline IEC max current le in DC1 with L/R \leq 1ms with 1 poles in series \\ \hline & & & & & & & \\ \hline & & & & & & & \\ \hline & & & &$				
$ \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) $230V$ kW8 $400V$ kW14 $500V$ kW16 $690V$ kW22IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\leq 24V$ A12 $48V$ A10 $75V$ A4 $110V$ A3220VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24V$ A15 $48V$ A14 $75V$ A9 $110V$ A8220VA-IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A16 $48V$ A16 $48V$ A16 $75V$ A1075VA10				
$\begin{array}{c} 230 \lor k \Downarrow 8 \\ 400 \lor k \Downarrow 14 \\ 500 \lor k \Downarrow 22 \end{array}$ IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\begin{array}{c} \leq 24 \lor A & 12 \\ 48 \lor A & 10 \\ 75 \lor A & 4 \\ 110 \lor A & 3 \\ 220 \lor A & - \end{array}$ IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\begin{array}{c} \leq 24 \lor A & 15 \\ 48 \lor A & 10 \\ 75 \lor A & 4 \\ 110 \lor A & 3 \\ 220 \lor A & - \end{array}$ IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\begin{array}{c} \leq 24 \lor A & 15 \\ 48 \lor A & 14 \\ 75 \lor A & 9 \\ 110 \lor A & 8 \\ 220 \lor A & - \end{array}$ IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\begin{array}{c} \leq 24 \lor A & 16 \\ 48 \lor A & 16 \\ 75 \lor A & 16 \\ 48 \lor A & 16 \\ 75 \lor A & 10 \end{array}$	Rated operational power AC-1 (T≤40°C)			
$\begin{array}{c cccc} & 400 \lor & k \Downarrow & 14 \\ 500 \lor & k \Downarrow & 16 \\ 690 \lor & k \And & 22 \end{array}$ IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\begin{array}{c ccccccccccccccccccccccccccccccccccc$		230V	kW	8
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				
$\begin{tabular}{ c c c c c } \hline & & & & & & & & & & & & & & & & & & $			kW	
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\leq 24V$ A1248VA1075VA4110VA3220VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24V$ A1548VA1475VA9110VA8220VA-IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A1EC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A1648VA1675VA10			kW	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	· ·	≤24V	А	12
$\begin{array}{cccc} 75 & A & 4 \\ 110 & A & 3 \\ 220 & A & - \end{array}$ IEC max current le in DC1 with L/R < 1ms with 2 poles in series $\begin{array}{cccc} \leq 24 & A & 15 \\ 48 & A & 14 \\ 75 & A & 9 \\ 110 & A & 8 \\ 220 & A & - \end{array}$ IEC max current le in DC1 with L/R < 1ms with 3 poles in series $\begin{array}{ccccc} \leq 24 & A & 16 \\ 48 & A & 14 \\ 75 & A & 9 \\ 110 & A & 8 \\ 220 & A & - \end{array}$				
$\begin{array}{c cccc} & 110 \lor & A & 3 \\ & 220 \lor & A & - \end{array}$ IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\begin{array}{c ccccccccccccccccccccccccccccccccccc$				
$\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 $\leq 24V$ A15 $48V$ A14 $75V$ A9 $110V$ A8 $220V$ A-IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series $\leq 24V$ A16 $48V$ A16 $75V$ A10				_
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
$ \begin{array}{cccc} 48 \ensuremath{V} & \ensuremath{A} & 14 \\ 75 \ensuremath{V} & \ensuremath{A} & 9 \\ 110 \ensuremath{V} & \ensuremath{A} & 8 \\ 220 \ensuremath{V} & \ensuremath{A} & & 16 \\ 220 \ensuremath{V} & \ensuremath{A} & & 16 \\ 48 \ensuremath{V} & \ensuremath{A} & & 16 \\ 75 \ensuremath{V} & \ensuremath{A} & & 10 \\ \end{array} $		≤24V	А	15
$\begin{array}{c cccc} 75 & A & 9 \\ 110 & A & 8 \\ 220 & A & - \end{array}$ IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series $\begin{array}{c ccccccccccccccccccccccccccccccccccc$				
$\begin{tabular}{cccc} 110V & A & 8\\ 220V & A & -\\ \hline \end{tabular}$ IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series $\begin{tabular}{cccc} \leq 24V & A & 16\\ 48V & A & 16\\ 75V & A & 10 \end{tabular}$				
$\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 < 1ms with 3 poles in series $\leq 24V$ A1648VA1675VA10				
≤24V A 16 48V A 16 75V A 10	IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
48V A 16 75V A 10		≤24\/	А	16
75V A 10				
		110V	A	10



11BG1210D024 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 12A, DC COIL, 24VDC, **1NO AUXILIARY CONTACT**

	220V	Α	2	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series				
'	≤24V	А	_	
	48V	A	_	
	40 V 75 V	A		
			—	
	110V	A	_	
	220V	A	_	
IEC max current le in DC3-DC5 with L/R \leq 15ms with 1 poles in series				
	≤24V	Α	7	
	48V	А	6	
	75V	А	2	
	110V	А	1	
	220V	A	_	
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 2 poles in series	2201			
TEC max current le in DC3-DC3 with E/K = 15ms with 2 poles in series	<2417	۸	0	
	≤24V	A	8	
	48V	A	8	
	75V	А	5	
	110V	А	4	
	220V	А	_	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series				
	≤24V	А	10	
	48V	A	10	
	75V	A	6	
			5	
	110V	A		
	220V	А	0,8	
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 4 poles in series				
	≤24V	Α	_	
	48V	А	-	
	75V	А	_	
	110V	А	_	
	220V	А	_	
Short-time allowable current for 10s (IEC/EN60947-1)		A	96	
Protection fuse		Λ	50	
FIOLECIION IUSE		•		
	gG (IEC)	A	20	
	aM (IEC)	A	16	
	· /			
Making capacity (RMS value)		А	120	
Making capacity (RMS value) Breaking capacity at voltage		A		
			120	
	440V	А	120 96	
	440V 500V	A A	120 96 72	
Breaking capacity at voltage	440V	A A A	120 96 72 72	
Breaking capacity at voltage Resistance per pole (average value)	440V 500V	A A	120 96 72	
Breaking capacity at voltage	440V 500V 690V	A A A mΩ	120 96 72 72 10	
Breaking capacity at voltage Resistance per pole (average value)	440V 500V 690V	A A MΩ W	120 96 72 72 10 4	
Breaking capacity at voltage Resistance per pole (average value) Power dissipation per pole (average value)	440V 500V 690V	A A A mΩ	120 96 72 72 10	
Breaking capacity at voltage Resistance per pole (average value)	440V 500V 690V	A A mΩ W W	120 96 72 72 10 4 1.4	
Breaking capacity at voltage Resistance per pole (average value) Power dissipation per pole (average value)	440V 500V 690V	A A MΩ W	120 96 72 72 10 4	
Breaking capacity at voltage Resistance per pole (average value) Power dissipation per pole (average value)	440V 500V 690V Ith AC-3	A A mΩ W W	120 96 72 72 10 4 1.4	
Breaking capacity at voltage Resistance per pole (average value) Power dissipation per pole (average value)	440V 500V 690V Ith AC-3 min	A A MΩ W W Nm Nm	120 96 72 72 10 4 1.4 0.8 1	
Breaking capacity at voltage Resistance per pole (average value) Power dissipation per pole (average value)	440V 500V 690V Ith AC-3 min max min	A A MΩ W W W	120 96 72 72 10 4 1.4 0.8 1 9	
Breaking capacity at voltage Resistance per pole (average value) Power dissipation per pole (average value) Tightening torque for terminals	440V 500V 690V Ith AC-3 min max	A A MΩ W W Nm Nm	120 96 72 72 10 4 1.4 0.8 1	
Breaking capacity at voltage Resistance per pole (average value) Power dissipation per pole (average value)	440V 500V 690V Ith AC-3 min max min max	A A MΩ W W Nm Ibin Ibin	120 96 72 72 10 4 1.4 0.8 1 9 9	
Breaking capacity at voltage Resistance per pole (average value) Power dissipation per pole (average value) Tightening torque for terminals	440V 500V 690V Ith AC-3 min max min max min max	A A MΩ W W Nm Ibin Ibin	120 96 72 72 10 4 1.4 0.8 1 9 9 9	
Breaking capacity at voltage Resistance per pole (average value) Power dissipation per pole (average value) Tightening torque for terminals	440V 500V 690V Ith AC-3 min max min max	A A MΩ W W Nm Ibin Ibin	120 96 72 72 10 4 1.4 0.8 1 9 9	

11BG1210D024 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



11BG1210D024 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 12A, DC COIL, 24VDC, 1NO AUXILIARY CONTACT

Max number of wires	simultanaausly connectable	max	lbin Nr.	9 2
	simultaneously connectable		INF.	2
Conductor section	AWG/Kcmil			
		max		12
	Flexible w/o lug conductor section	Шал		12
		min	mm²	0.8
		max	mm²	2.5
	Flexible c/w lug conductor section			
	ő	min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section	n		
		min	mm²	1.5
		max	mm²	2.5
	tion according to IEC/EN 60529			IP20
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rai 35mm
Weight			g	200
Conductor section				
	AWG/kcmil conductor section			
		max		12
Auxiliary contact chara	acteristics			
Thermal current Ith			Α	10
EC/EN 60947-5-1 de				Q600
Operating current AC	15		-	_
		230V	A	3
		400V	A	1.9
0	10	500V	A	1.4
Operating current DC	12	44014		
0	10	110V	Α	2.9
Operating current DC	13	0.417	٨	0.0
		24V	A	2.9
		48V 60V	A A	1.4 1.2
		110V	A	0.6
		125V	A	0.55
		220V	A	0.3
		600V	A	0.1
Operations				
Mechanical life			cycles	20000000
Electrical life			cycles	500000
Safety related data				
	0d according to EN/ISO 13489-1			
	<u>.</u>	rated load	cycles	500000
		mechanical load	cycles	20000000
Mirror contats accordi	ng to IEC/EN 609474-4-1			YES
EMC compatibility	-			YES
DC coil operating				



ENERGY AND AUTOMATION

DC operating voltage)				
	pick-up				
			min	%Us	75
			max	%Us	115
	drop-out				
			min	%Us	10
			max	%Us	25
Average coil consum	ntion ≤20°C				-
trendge een eenedin			in-rush	W	3.2
			holding	Ŵ	3.2
Max cycles frequency	A.		Tiolaing	vv	0.2
Mechanical operation				cycles/h	3600
Operating times				Cycles/II	3000
	aantral				
Average time for Us of					
	in AC				
		Closing NO			10
			min	ms	12
			max	ms	21
		Opening NO			
			min	ms	9
			max	ms	18
		Closing NC			
			min	ms	17
			max	ms	26
		Opening NC			
			min	ms	7
			max	ms	17
	in DC				
		Closing NO			
			min	ms	18
			max	ms	25
		Opening NO			
			min	ms	2
			max	ms	3
		Closing NC			
		č	min	ms	3
			max	ms	5
		Opening NC		-	
			min	ms	11
			max	ms	17
JL technical data					
Full-load current (FLA	A) for three-phase	AC motor			
			at 480V	А	11
			at 600V	A	11
Yielded mechanical p	orformance			7	
neided mechanical p		AC motor			
	for single-phase		440/4001/	חח	0.5
			110/120V	HP	0.5
	<u></u>		230V	HP	1.5
	for three-phase	AC motor	_ _ _ _ _ _ _ _ _ _	•	
			200/208V	HP	3
			220/230V	HP	3
			460/480V 575/600V	HP HP	7.5 10

General USE



11BG1210D024 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 12A, DC COIL, 24VDC,

1NO AUXILIARY CONTACT

	Contactor			
		AC current	A	20
Short-circuit protectio				
	High fault	Short circuit current	kA	100
		Fuse rating	A	30
		Fuse class	7.	J
	Standard fault			
		Short circuit current	kA	5
		Fuse rating	А	30
<u></u>		Fuse class		RK5
_	liary contacts according to UL			A600 - Q600
Ambient conditions Temperature				
remperature	Operating temperature			
	Operating temperature	min	°C	-50
		max	°Č	+70
	Storage temperature			
	<u> </u>	min	°C	-60
		max	°C	+80
Max altitude			m	3000
Resistance & Protect	ion			
Pollution degree Dimensions				3
4.4 (0.17") (0.17") (0.33") (0.33") (0.33") (0.33") (0.33") (0.33") (0.33") (0.33")	57 (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24") (2.24")		(2.28") 5	57 .24") RF9 9
A1	L1 L2 L3 1 3 5 13 d d d d d d d d d d d d d d d d d d d			
	CSA C22.2 n° 60947-1 CSA C22.2 n° 60947-4-1			
	00A 022.2 II 0034/-4-1			



11BG1210D024 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 12A, DC COIL, 24VDC, **1NO AUXILIARY CONTACT**

	IEC/EN 60947-1
	IEC/EN 60947-4-1
	UL 60947-1
	UL 60947-4-1
Certificates	
	CCC
	cULus
	EAC
ETIM classification	

ETIM 8.0

EC000066 -Power contactor, AC switching