



Product type designation BG12 Contact Characteristics Nr. 3 Rated insulation voltage UIIEC/EN V 60 Operational frequency min Hz 25 Rated inputes withstand voltage Uimp AV 6 Operational frequency min Hz 25 Operational Iree air thermal current Ith A 20 Operational current le AC-1 (s40°C) A 20 AC-1 (s40°C) A 20 AC-1 (s40°C) A AC-1 (s40°C) A 15 AC-3 (s440V s55°C) A 15 AC-3 (s440V s55°C) A 12 AC-4 (400V) A 4.8 Rated operational power AC-3 (T≤55°C) 230V KW 5.5 500V KW 5.5 Rated operational power AC-1 (T≤40°C) 230V KW 8 400V kW 14 COV KW 8 400V kW 14 50V kW 14 Cover kurrent le in DC1 with L/R ≤ 1ms with 1 poles in series	Product designation			Auxiliary contactor
Number of polesNr.3Rated insulation voltage Ui IEC/ENV690Operational frequencyminHzRated inpulse withstand voltage UimpkV6Operational frequencyminHz25maxHz400IEC Conventional free air thermal current IthA20Operational current IeAC-1 (\$40°C)A20AC-1 (\$55°C)A18AC-1 (\$70°C)AAC-3 (\$4407 \$55°C)A12AC-3 (\$4407 \$55°C)AAcc-4 (400V)A4.8Acc-4 (400V)ARated operational power AC-3 (T\$55°C)230VkW5.5Source230VkW5.5Source230VkW8400VkW5.5500VkW5690VkW5Rated operational power AC-1 (T\$40°C)230VkW8400VkW16690VkW500VkW16690VkW690VkW3220VAIEC max current le in DC1 with L/R \$1ms with 1 poles in series\$24VA1248VA1075VA175VA1548VA1475VA9110VA8220VA-110VA8220VA1648VA1648VA1648VA1675VA1075V				BG12
Rated insulation voltage Ui IEC/EN V 690 Rated inpulse withstand voltage Uimp kV 6 Operational frequency min Hz 25 IEC conventional 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 12 AC-3 (\$440V \$55°C) A 12 AC-4 (400V) A 4.8 Rated operational power AC-3 (T≤55°C) 230V kW 5.7 415V KW 6.2 400V kW 5.5 500V kW 5 500V kW 5 Rated operational power AC-1 (T≤40°C) 230V kW 8 400V kW 14 500V kW 14 500V kW 14 690V kW 14 500V kW 14 500V kW 14 500V kW				
Rated inpulse withstand voltage Uimp kV 6 Operational frequency min Hz 25 max Hz 400 1EC Conventional free air thermal current lth A 20 Operational current le AC-1 (s40°C) A 20 AC-1 (s40°C) A 20 AC-1 (s55°C) A 18 AC-3 (s440V s55°C) A 12 AC-4 (a00V) A 4.8 Rated operational power AC-3 (T≤55°C) 230V kW 3.2 400V kW 5.5 500V kW 5.5 690V kW 5 690V kW 4 Rated operational power AC-1 (T≤40°C) 230V kW 8 400V kW 14 500V kW 5 690V kW 4 10 75V A 4 110V A 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series 224V A 14 75V <t< td=""><td></td><td></td><td></td><td></td></t<>				
Operational frequencymin maxHz Hz25 maxIEC Conventional free air thermal current lthA A20Operational current leAC-1 (s40°C) AC-1 (s55°C)A A20 AC-1 (s55°C)AC-3 (s4400 s55°C)A AC-4 (400V)A ARated operational power AC-3 (T≤55°C)230V AC-4 (400V)KW A AC-4 (400V)Rated operational power AC-3 (T≤55°C)230V AC-4 (400V)KW A AC-4 (40V)Rated operational power AC-1 (T≤40°C)230V BOV BOVKW ARated operational power AC-1 (T≤40°C)230V BOV BOVKW ARated operational power AC-1 (T≤40°C)230V BOV BOVKW ARated operational power AC-1 (T≤40°C)230V BOV BOVKW AEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series524V A AA AIEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series524V A AA AIEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series524V A AA A AIEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series524V A AA A A A AIEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series524V A AA A A A AIEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series524V A AA A A A AIEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series524V A AA A B A A AIEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			kV	6
max Hz 400 IEC Conventional free air thermal current lth A 20 Operational current le AC-1 (s40°C) A 20 AC-1 (s55°C) A 18 AC-1 (s55°C) A 18 AC-1 (s50°C) A 15 AC-3 (s70°C) A 12 AC-3 (4400V 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 S00V KW 5.5 500V KW 5 5 Rated operational power AC-1 (T≤40°C) 230V KW 8 400V KW 5 Rated operational power AC-1 (T≤40°C) 230V KW 8 400V KW 16 690V KW 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 110V A 3 220V A <t< td=""><td>Operational frequency</td><td></td><td></td><td></td></t<>	Operational frequency			
IEC Conventional free air thermal current lthA20Operational current leAC-1 (s40°C)A20AC-1 (s55°C)A18AC-1 (s70°C)A15AC-3 (s440V s55°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)230VkW230VkW14500VkW14500VkW16690VkW22IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series\$24VA220VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series\$24VA220VA-IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series\$24VA220VA-IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series\$24VA220VA-IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series\$24VA\$22VA-IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series\$24VA\$24VA1648VA1675VA1648VA1648VA1675VA10		min		
Operational current le AC-1 (≤40°C) A 20 AC-1 (≤55°C) A 18 AC-1 (≤70°C) A 15 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 14 690V kW 8 400V kW 16 690V kW 16 690V kW 16 1EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V 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 <td></td> <td>max</td> <td></td> <td></td>		max		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			A	20
$\begin{array}{cccccccc} AC-1 (\leq 55^{\circ}C) & A & 18 \\ AC-1 (\leq 70^{\circ}C) & A & 15 \\ AC-3 (\leq 440V \leq 55^{\circ}C) & A & 12 \\ \hline AC-4 (400V) & A & 4.8 \\ \hline \end{array}$ Rated operational power AC-3 (T $\leq 55^{\circ}C$) $\begin{array}{cccccccccccccccccccccccccccccccccccc$	Operational current le			
$\begin{array}{ccccc} & AC-1 (\leq 70^{\circ} C) & A & 15 \\ AC-3 (\leq 440V \leq 55^{\circ} C) & A & 12 \\ AC-4 (400V) & A & 4.8 \end{array}$ Rated operational power AC-3 (T $\leq 55^{\circ} C$) $\begin{array}{c} 230V & kW & 3.2 \\ 400V & kW & 5.7 \\ 415V & kW & 6.2 \\ 440V & kW & 5.5 \\ 500V & kW & 5 \end{array}$ Rated operational power AC-1 (T $\leq 40^{\circ} C$) $\begin{array}{c} 230V & kW & 8 \\ 400V & kW & 5 \end{array}$ Rated operational power AC-1 (T $\leq 40^{\circ} C$) $\begin{array}{c} 230V & kW & 8 \\ 400V & kW & 14 \\ 500V & kW & 16 \\ 690V & kW & 16 \\ 690V & kW & 22 \end{array}$ IEC max current le in DC1 with L/R ≤ 1 ms with 1 poles in series $\begin{array}{c} \leq 24V & A & 12 \\ 48V & A & 10 \\ 75V & A & 4 \\ 110V & A & 3 \\ 220V & A & - \end{array}$ IEC max current le in DC1 with L/R ≤ 1 ms with 2 poles in series $\begin{array}{c} \leq 24V & A & 15 \\ 48V & A & 14 \\ 75V & A & 9 \\ 110V & A & 8 \\ 220V & A & - \end{array}$ IEC max current le in DC1 with L/R ≤ 1 ms with 2 poles in series $\begin{array}{c} \leq 24V & A & 15 \\ 48V & A & 14 \\ 75V & A & 9 \\ 110V & A & 8 \\ 220V & A & - \end{array}$				
AC-3 (5440V ≤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 5 Rated operational power AC-1 (T≤40°C) 230V kW 8 400V kW 14 500V kW 16 690V kW 12 18 10 75V A 110 File max current le in DC1 with L/R ≤ 1ms with 2 poles in series 224V A 15 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 curr				
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 500V kW 14 500V kW 14 500V kW 14 500V kW 14 500V kW 14 500V kW 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 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 <td></td> <td></td> <td>A</td> <td></td>			A	
230V kW 3.2 400V kW 5.7 415V kW 6.2 440V kW 5.5 500V kW 5 690V kW 5 Rated operational power AC-1 (T≤40°C) 230V kW 8 400V kW 14 500V kW 14 500V kW 14 500V kW 16 690V 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 ≤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 9 110V A 8 220V A - IEC max current le in DC1 with L/R ≤ 1ms w		· · · · · · · · · · · · · · · · · · ·	А	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		AC-4 (400V)	Α	4.8
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Rated operational power AC-3 (T≤55°C)			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		230V	kW	3.2
$\begin{array}{c cccc} & 440 \vee & k & 5.5 \\ 500 \vee & k & 5 \\ \hline 890 \vee & k & 5 \\ \hline 890 \vee & k & 5 \\ \hline \\$		400V	kW	5.7
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		415V	kW	6.2
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		440V	kW	5.5
Rated operational power AC-1 (T≤40°C)230VkW8400VkW14500VkW16690VkW22IEC 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 $\leq 24V$ A1548VA1475VA9110VA8220VA-IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A1648VA1648VA1675VA1075VA10		500V	kW	5
$\begin{array}{c c c c c c c } 230 & kW & 8 \\ 400 & kW & 14 \\ 500 & kW & 16 \\ 690 & kW & 22 \end{array}$ IEC max current le in DC1 with L/R < 1ms with 1 poles in series $\begin{array}{c c c c c c c } \leq 24V & A & 12 \\ 48V & A & 10 \\ 75V & A & 4 \\ 110V & A & 3 \\ 220V & A & - \end{array}$ IEC max current le in DC1 with L/R < 1ms with 2 poles in series $\begin{array}{c c c c c } \leq 24V & A & 15 \\ 48V & A & 14 \\ 75V & A & 9 \\ 110V & A & 8 \\ 220V & A & - \end{array}$ IEC max current le in DC1 with L/R < 1ms with 2 poles in series $\begin{array}{c c c c } \leq 24V & A & 15 \\ 48V & A & 14 \\ 75V & A & 9 \\ 110V & A & 8 \\ 220V & A & - \end{array}$ IEC max current le in DC1 with L/R < 1ms with 3 poles in series $\begin{array}{c c c } \leq 24V & A & 16 \\ 48V & A & 16 \\ 75V & A & 16 \\ 75V & A & 10 \end{array}$		690V	kW	5
$ \begin{array}{c cccc} 400 \lor & k \cr & 14 \\ 500 \lor & k \cr & 22 \cr \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 1 poles in series} \cr & $\leq 24 \lor A & 12 \\ 48 \lor A & 10 \\ 75 \lor A & 4 \\ 110 \lor A & 3 \\ 220 \lor A & - \cr \cr$	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 $		230V	kW	8
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		400V	kW	14
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		500V	kW	16
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		690V	kW	22
$ \begin{array}{cccccc} & 48 & A & 10 \\ & 75 & A & 4 \\ & 110 & A & 3 \\ & 220 & A & - \end{array} \\ \hline \mbox{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 1 poles in series			
$ \begin{array}{cccc} 75 & A & 4 \\ 110 & A & 3 \\ 220 & A & - \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 2 poles in series} \\ & & \leq 24 & A & 15 \\ 48 & A & 14 \\ 75 & A & 9 \\ 110 & A & 8 \\ 220 & A & - \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ \hline IEC max current le in DC1 with L$		≤24V	А	12
$\begin{array}{c cccc} & 110 & A & 3\\ 220 & A & -\\ \hline \\ \hline \\ IEC \mbox{ max current le in DC1 with L/R \leq 1ms with 2 poles in series} \\ & \leq 24 & A & 15\\ & 48 & A & 14\\ & 75 & A & 9\\ & 110 & A & 8\\ & 220 & A & -\\ \hline \\ \hline \\ IEC \mbox{ max current le in DC1 with L/R \leq 1ms with 3 poles in series} \\ & \leq 24 & A & 16\\ & 48 & A & 16\\ & 75 & A & 10\\ \hline \end{array}$		48V	А	10
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		75V	А	4
IEC max current le in DC1 with L/R < 1ms with 2 poles in series		110V	А	3
$ \begin{array}{cccc} \leq 24 \ensuremath{\mathbb{V}} & \ensuremath{\mathbb{A}} & 15 \\ 48 \ensuremath{\mathbb{V}} & \ensuremath{\mathbb{A}} & 14 \\ 75 \ensuremath{\mathbb{V}} & \ensuremath{\mathbb{A}} & 9 \\ 110 \ensuremath{\mathbb{V}} & \ensuremath{\mathbb{A}} & 8 \\ 220 \ensuremath{\mathbb{V}} & \ensuremath{\mathbb{A}} & 8 \\ 220 \ensuremath{\mathbb{V}} & \ensuremath{\mathbb{A}} & \ensuremat$		220V	А	_
$ \begin{array}{cccc} 48V & A & 14 \\ 75V & A & 9 \\ 110V & A & 8 \\ 220V & A & - \\ \hline \\$	IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
$ \begin{array}{cccc} 48V & A & 14 \\ 75V & A & 9 \\ 110V & A & 8 \\ 220V & A & - \\ \hline \\$		≤24V	А	15
$\begin{array}{cccc} 75 & A & 9 \\ 110 & A & 8 \\ 220 & A & - \end{array}$ IEC max current le in DC1 with L/R < 1ms with 3 poles in series $\begin{array}{cccc} \leq 24 & A & 16 \\ 48 & A & 16 \\ 75 & A & 10 \end{array}$				
$\begin{tabular}{cccc} 110V & A & 8\\ 220V & A & -\\ \hline \end{tabular}$ IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series $\begin{tabular}{cccc} \leq 24V & A & 16\\ 48V & A & 16\\ 75V & A & 10 \end{tabular}$				
$\begin{array}{c c} 220 & A & - \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ & \le 24 V & A & 16 \\ & 48 V & A & 16 \\ & 75 V & A & 10 \\ \hline \end{array}$				
IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series $\leq 24V \qquad A \qquad 16$ $48V \qquad A \qquad 16$ $75V \qquad A \qquad 10$				
≤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

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11BG1210A04860 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 12A, AC COIL 60HZ, 48VAC, 1NO AUXILIARY CONTACT

220V А 2 IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series ≤24V А 48V А _ 75V А _ 110V А _ 220V А _ IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series ≤24V А 7 48V 6 А 75V 2 А 1 110V А 220V А IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series ≤24V А 8 48V 8 А 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 10 А 75V А 6 110V А 5 220V А 0,8 IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series ≤24V А _ 48V А 75V А 110V А _ 220V А Short-time allowable current for 10s (IEC/EN60947-1) А 96 Protection fuse gG (IEC) А 20 aM (IEC) А 16 Making capacity (RMS value) А 120 Breaking capacity at voltage 440V А 96 500V А 72 690V А 72 Resistance per pole (average value) mΩ 10 Power dissipation per pole (average value) W 4 lth AC-3 W 1.4 Tightening torque for terminals min Nm 0.8 max Nm 1 min Ibin 9 lbin 9 max Tightening torque for coil terminal min Nm 0.8 Nm 1 max

min

lbin

9



11BG1210A04860 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 12A, AC COIL 60HZ, 48VAC, 1NO AUXILIARY CONTACT

Max number of wires	simultaneously connectable	max	lbin Nr.	9
Conductor section			INF.	2
	AWG/Kcmil			
	AWG/ACIIII	max		12
	Flexible w/o lug conductor section	Пах		12
		min	mm²	0.8
		max	mm²	2.5
	Flexible c/w lug conductor section			
		min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section			
		min	mm²	1.5
		max	mm²	2.5
Power terminal protect	tion according to IEC/EN 60529			IP20
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fiving				Screw / DIN ra
Fixing				35mm
Weight			g	200
Conductor section				
	AWG/kcmil conductor section			
		max		12
Auxiliary contact chara	acteristics			
Thermal current Ith			А	10
IEC/EN 60947-5-1 de				A600
Operating current AC	15			
		230V	А	3
		400V	А	1.9
		500V	A	1.4
Operating current DC	12			
		110V	A	2.9
Operating current DC	13			
		24V	А	2.9
		48V	А	1.4
		60V	А	1.2
		110V	А	0.6
		125V	A	0.55
		220V	А	0.3
		600V	А	0.1
Operations				
Mechanical life			cycles	2000000
Electrical life			cycles	500000
Safety related data				
Performance level B1	0d according to EN/ISO 13489-1		_	
		rated load	cycles	500000
		echanical load	cycles	2000000
	ing to IEC/EN 609474-4-1			YES
EMC compatibility				YES
AC coil operating				
Rated AC voltage at 6			V	48

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AC operating voltage					
ie operating relage	of 60Hz coil po	owered at 60Hz			
	·	pick-up			
			min	%Us	75
			max	%Us	115
		drop-out			
			min	%Us	20
			max	%Us	55
AC average coil consu					
	of 50/60Hz co	il powered at 50Hz	in much	\ /A	20
			in-rush	VA	30
		il powered at 60Hz	holding	VA	4
		ii powered at 60Hz	in-rush	VA	25
			holding	VA VA	3
	of 60Hz coil pr	owered at 60Hz	noiding	٧٨	5
	01 001 12 0011 pt		in-rush	VA	30
			holding	VA	4
Dissipation at holding	≤20°C 50Hz		lioiding	W	0.9
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times				ý	
Average time for Us c	ontrol				
	in AC				
		Closing NO			
			min	ms	12
			max	ms	21
		Opening NO			
			min	ms	9
		.	max	ms	18
		Closing NC			
			min	ms	17
			max	ms	26
		Opening NC		ma	7
			min	ms ms	7 17
	in DC		max	ms	17
		Closing NO			
			min	ms	18
			max	ms	25
		Opening NO			-
			min	ms	2
			max	ms	3
		Closing NC			
			min	ms	3
			max	ms	5
		Opening NC			
			min	ms	11
			max	ms	17
UL technical data					
Full-load current (FLA) for three-phase	AC motor			
			at 480V	A	11
			at 600V	А	11

Yielded mechanical performance



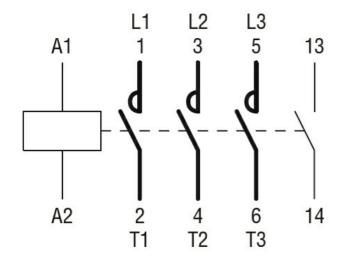
for single-phase AC motor

11BG1210A04860 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 12A, AC COIL 60HZ, 48VAC, 1NO AUXILIARY CONTACT

OPERATING CUR	•	,		OIL 60HZ, CONTACT	
	110/120V	HP	0.5		

	5	110/120V	HP	0.5
		230V	HP	1.5
	for three-phase AC motor			
		200/208V	HP	3
		220/230V	HP	3
		460/480V	HP	7.5
		575/600V	HP	10
General USE				
	Contactor			
		AC current	Α	20
Short-circuit protection	n 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	30
		Fuse class		RK5
	ary contacts according to UL			A600 - Q600
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	+70
	Storage temperature		•••	
		min	°C	-60
Maria International		max	°C	+80
Max altitude			m	3000
Resistance & Protection	on			2
Pollution degree				3
Dimensions				
$ \begin{array}{c} 44 \\ 44 \\ (0.17') \\ \textcircled{0} \\ (0.37') \\ (0.38') \\ (0.38') \\ (0.38') \\ (0.38') \\ (0.38') \\ (1.37') \\ (0.38') \\ (1.37') \\ (0.38') \\ (1.37') \\ ($				





Certifications and compliance

Compliance

Compliance	
	CSA C22.2 n° 60947-1
	CSA C22.2 n° 60947-4-1
	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