



Product type designation       BG12         Contact characteristics       V         Number of poles       Nr.         Rated insulation voltage Ui IEC/EN       V         Rated insulation voltage Uimp       kV         Operational frequency       min         Hz       400         IEC Conventional frequency       A         20       max         Operational current le       A         AC-1 (\$40°C)       A         AC-1 (\$55°C)       A         AC-1 (\$55°C)       A         AC-3 (\$55°C)       A         AC-4 (400V)       A         Rated operational power AC-3 (T≤55°C)       230V         230V       KW       5.5         500V       KW       5.5         600V       KW       5.5         600V       KW       8         400V       KW       8         400V       KW       8         400V       KW       8				
Contact characteristicsNumber of polesNr.3Rated insulation voltage Ui IEC/ENV690Rated insulation voltage UimpkV6Operational frequencyminHz25maxHz400400IEC Conventional free air thermal current IthA20Operational current leAC-1 (≤40°C)A20AC-1 (≤57°C)A15AC-1 (≤70°C)A15AC-1 (≤40°C)A12AC-4 (400V)A4.8Rated operational power AC-3 (T≤55°C)230VkW3.2400VkW5.5S00VkW5.5550VkW5.5550VkW5.5Rated operational power AC-1 (T≤40°C)230VkW8400VkW16690VkW5.5550VkW8400VkW16690VkW22230VkW8400VkW14500VkW1248VA1075VA12IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series524VA1548VA1475VA9110VA3220VA1548VA1475VA9110VA8220VA1648VA1648VA1648VA1648VA16	Product designation			Power contactor
Contact characteristicsNumber of polesNr.3Rated insulation voltage Ui IEC/ENV690Rated insulation voltage UimpkV6Operational frequencyminHz25maxHz400400IEC Conventional free air thermal current IthA20Operational current leAC-1 (≤40°C)A20AC-1 (≤57°C)A15AC-1 (≤70°C)A15AC-1 (≤40°C)A12AC-4 (400V)A4.8Rated operational power AC-3 (T≤55°C)230VkW3.2400VkW5.5S00VkW5.5550VkW5.5550VkW5.5Rated operational power AC-1 (T≤40°C)230VkW8400VkW16690VkW5.5550VkW8400VkW16690VkW22230VkW8400VkW14500VkW1248VA1075VA12IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series524VA1548VA1475VA9110VA3220VA1548VA1475VA9110VA8220VA1648VA1648VA1648VA1648VA16	-			BG12
Rated insulation voltage U IEC/EN       V       690         Rated impulse withstand voltage Uimp       kV       6         Operational frequency       min       Hz       25         max       Hz       400         IEC Conventional frequency       A       20         Operational current le       A       20         Operational current le       A       20         AC-1 (\$40°C)       A       15         AC-1 (\$70°C)       A       15         AC-3 (\$440V \$55°C)       A       12         Rated operational power AC-3 (T≤55°C)       230V       kW       3.2         400V       kW       5.5       500V       kW       5         690V       kW       5       690V       kW       5         Rated operational power AC-1 (T≤40°C)       230V       kW       8       400V       kW       14         500V       kW       14       500V       kW       16       690V       20         IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series       ≤24V       A       12       48V       A       10         T5V       A       110V       A       3       220V       -       220				
Rated insulation voltage U IEC/ENV690Rated inpulse withstand voltage UimpkV6Operational frequencyminHz25maxHz400IEC Conventional frequencyA20Operational current leAC-1 (\$40°C)A20Operational current leAC-1 (\$55°C)A15AC-3 (\$440 \$55°C)A12AC-4 (400°)ARated operational power AC-3 (T≤55°C)230VkW3.2400VkW5.7415VkW6.2440VkW5.5500VkW5500VkW5690VkW58ated operational power AC-1 (T≤40°C)230VkW8400VkW5.6500VkW5500VkW5690VkW22IEC 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 $\leq 24V$ A1548WA1475VA9110VA8220VA-IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A1648VA1648VA1648VA1675VA1657VA1675VA16<	Number of poles		Nr.	3
Rated impulse withstand voltage UimpkV6Operational frequencyminHz25maxHz400IEC Conventional frequencyA20Operational current leA20Compositional current leAC-1 (\$40°C)A20AC-1 (\$50°C)A18AC-1 (\$70°C)A15AC-3 (\$4400 \$55°C)A12AC-4 (400V)A4.8Rated operational power AC-3 (T≤55°C)230VKW3.2400VKW5.7415VKW6.2440VKW5.5500VKW5690VKW5500VKW14500VKW14500VKW14500VKW14500VKW14500VKW14500VKW22IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series≤24VA1248VA1075VA4110VA3220VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series≤24VA1548WA1475VA9110VA8220VA1648VA1648WA1648VA1648VA1648WA1675VA10101010				
Operational frequency       min       Hz       25         max       Hz       400         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-3 (\$440V \$55°C)       A       15       AC-3 (\$440V \$55°C)       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       12       400V       kW       16       690V       kW       14         1EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series       \$24V       A       12         1EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series       \$24V       A       14         75V       A       4       14       75V       A       14         75V       A       9       110V       A       8 <td></td> <td></td> <td>kV</td> <td></td>			kV	
min       Hz       25 max         Hz       400         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 (≤70°C)       A       15         AC-1 (≤70°C)       A       15       AC-3 (≤440V ≤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       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       14         S00V       kW       16       690V       kW       16         690V       kW       16       690V       kW       10         75V       A       4       110V       A       3       220V       A       12         IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series       24V       A       15       48V       A       14         75V       A				
max         Hz         400           IEC Conventional current le         A         20           Operational current le         AC-1 (s40°C)         A         20           AC-1 (s55°C)         A         18         AC-1 (s50°C)         A         18           AC-1 (s40v s5°C)         A         18         AC-1 (s40v s5°C)         A         12           AC-3 (s40v s5°C)         A         12         AC-3 (s40v s5°C)         A         12           AC-4 (400V)         A         4.8         A         A         A         A           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         16           690V         kW         16         690V         kW         16         690V         220V         A         12           IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series         524V         A         12         48V         A         10           75V         A         4		min	Hz	25
IEC conventional free air thermal current lth A 20 Operational current le $AC-1 (\pm 40^{\circ}C) A 20$ $AC-1 (\pm 55^{\circ}C) A 18$ $AC-1 (\pm 55^{\circ}C) A 15$ $AC-3 (\pm 440V \pm 55^{\circ}C) A 12$ 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 500V kW 16 690V kW 22 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\leq 24V A 12$ 48V A 10 75V A 4 10V A 3 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24V A 15$ 48V A 14 75V A 9 110V A 8 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24V A 15$ 48V A 14 75V A 9 110V A 8 220V A -				
Operational current le       AC-1 (s40°C)       A       20         AC-1 (s55°C)       A       18         AC-3 (s440V ≤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         400V       kW       5.5       500V       kW       5         Solv       kW       5       500V       kW       8         400V       kW       5.5       500V       kW       8         690V       kW       5       500V       kW       14         500V       kW       14       500V       kW       14         690V       kW       14       500V       kW       14         500V       kW       14       50V       kW       14         500V       kW       12       48V       12       48V       14         75V       A       110V       A       3       220V       A       15         48V       A       14       75V       A       110V       A       8       220V	IEC Conventional free air thermal current Ith	max		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				20
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		$\Delta C_{-1} (< 40^{\circ} C)$	Δ	20
$\begin{array}{ccccc} AC-1 (\leq 70^{\circ} C) & A & 15 \\ AC-3 (\leq 440V \leq 55^{\circ} C) & A & 12 \\ AC-4 (400V) & A & 4.8 \end{array}$ Rated operational power AC-3 (T $\leq 55^{\circ} C$ ) $\begin{array}{cccccccccccccccccccccccccccccccccccc$		· · · · · ·		
AC-3 (s440V ≤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       690V       kW       16         690V       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       -         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       16       48V       A       16				
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         S00V       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       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       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 pol				
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         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       14         690V       kW       14       500V       kW       14         70V       kW       14       500V       kW       14         690V       kW       14       500V       kW       14         70V       kW       14       50V       kW       14         70V       kW       10       75V       A       10         75V       A       10       75V       A       15         48V       A       15       48V       A       14         75V       A       9       110V       A       8       220V       A       -         IEC max current le in DC1 with L/R ≤		· · · · · · · · · · · · · · · · · · ·		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$R_{ated}$ operational power AC 3 (T<55°C)	AC-4 (400V)	~	4.0
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		2201/	۲\\/	2.2
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690V       kW       5         Rated operational power AC-1 (T≤40°C)       230V       kW       8         400V       kW       14         500V       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       -         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 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       16         48V       A       16       75V       A       16         75V       A       16       75V       A <td< td=""><td></td><td></td><td></td><td></td></td<>				
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 $\leq 24V$ A1648VA1675VA1648VA1675VA10				
$\begin{array}{c cccc} 230 & kW & 8 \\ 400 & kW & 14 \\ 500 & kW & 16 \\ 690 & kW & 22 \end{array}$ IEC max current le in DC1 with L/R < 1ms with 1 poles in series $\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Poted operational newsr AC 1 (T<10°C)	090 v	K V V	5
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		2201/	1.1.1./	0
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$ \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 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 $\leq 24V$ A1648VA1675VA10				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		690V	KVV	22
$ \begin{array}{cccc} 48V & A & 10 \\ 75V & A & 4 \\ 110V & A & 3 \\ 220V & A & - \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R \leq 1ms with 2 poles in series} \\ \hline & \leq 24V & A & 15 \\ 48V & A & 14 \\ 75V & A & 9 \\ 110V & A & 8 \\ 220V & A & - \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series} \\ \hline & \leq 24V & A & 16 \\ 48V & A & 16 \\ 75V & A & 10 \\ \hline \end{array} $	TEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series	-0.1) (	•	10
$\begin{array}{c cccc} 75 & A & 4 \\ 110 & A & 3 \\ 220 & A & - \end{array}$ IEC max current le in DC1 with L/R < 1ms with 2 poles in series $\begin{array}{c ccccccccccccccccccccccccccccccccccc$				
$ \begin{array}{c cccc} & 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 IEC max current le in DC1 with L/R \le 1ms with 3 poles in series with 3 poles in series with 3 poles in serie$				
$220V$ A-IEC max current le in DC1 with L/R < 1ms with 2 poles in series				
IEC max current le in DC1 with L/R < 1ms with 2 poles in series				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		220V	A	
$ \begin{array}{cccc} 48 & A & 14 \\ 75 & A & 9 \\ 110 & A & 8 \\ 220 & A & - \end{array} \\ \hline \mbox{IEC 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 \end{array} $	IEC max current le in DC1 with L/R $\leq$ 1ms with 2 poles in series			
$\begin{array}{c cccc} 75 & A & 9 \\ 110 & A & 8 \\ 220 & A & - \end{array}$ 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 < 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 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$				
IEC max current le in DC1 with L/R $\leq$ 1ms with 3 poles in series $\leq 24V \qquad A \qquad 16$ $48V \qquad A \qquad 16$ $75V \qquad A \qquad 10$				8
≤24V A 16 48V A 16 75V A 10		220V	A	-
48V A 16 75V A 10	IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
75V A 10			А	
		48V	А	16
110V A 10		75V	А	10
		110V	А	10



11BG1201D048 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 12A, DC COIL, 48VDC, **1NC 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 $L/R \le 15$ ms with 1 poles in series			
	≤24V	А	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			
	≤24V	А	8
	48V	A	8
	40 V 75 V	A	5
	110V	A	4
	220V	A	4
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 3 poles in series	220 V	Λ	
	≤24V	А	10
	48V	A	10
	48V 75V	A	6
	110V	A	5
IFO many summer to in DO2 DO5 with 1/D < 45 minutes with 4 minutes in series	220V	A	0,8
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 4 poles in series	-0.01	•	
	≤24V	A	-
	48V	A	-
	75V	A	-
	110V	A	-
	220V	A	
Short-time allowable current for 10s (IEC/EN60947-1)		Α	96
Protection fuse			
	gG (IEC)	A	20
	aM (IEC)	A	16
Making capacity (RMS value)		Α	120
Breaking capacity at voltage			
	440V	А	96
	500V	A	72
	690V	A	72
Resistance per pole (average value)		mΩ	10
Power dissipation per pole (average value)			
	Ith	W	4
	AC-3	W	1.44
Tightening torque for terminals			
	min	Nm	0.8
	max	Nm	1
	min	lbin	9
	max	lbin	9
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	lbin	9



**11BG1201D048** THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 12A, DC COIL, 48VDC, 1NC AUXILIARY CONTACT

Mox number of wires	aimultanaayahy aannaatahla	max	lbin	9
Conductor section	simultaneously connectable		Nr.	2
Conductor Section	AWG/Kcmil			
		max		12
	Flexible w/o lug conductor section	max		12
		min	mm²	0.75
		max	mm²	2.5
	Flexible c/w lug conductor section	max		210
		min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section			
	· · · · · · · · · · · · · · · · · · ·	min	mm²	1.5
		max	mm²	2.5
				IP20 when
Power terminal protect	ction according to IEC/EN 60529			properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rai 35mm
Weight			g	210
Conductor section			5	
	AWG/kcmil conductor section			
		max		12
Auxiliary contact char	acteristics	-		
Thermal current Ith			А	10
IEC/EN 60947-5-1 de	esignation			A600 - Q600
Operating current AC	-			
1 0		230V	А	3
		400V	А	1.9
		500V	А	1.4
Operating current DC	12			
1 0		110V	А	2.9
Operating current DC	13			
		24V	А	2.9
		48V	A	1.4
		60V	A	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			
	<b>5 - - - - - - - - - -</b>	rated load	cycles	500000
	me	chanical load	cycles	20000000
Mirror contats accord	ing to IEC/EN 609474-4-1		•	yes
	v			
EMC compatibility				yes



11BG1201D048 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 12A, DC COIL, 48VDC,

**INC AUXILIARY CONTACT** 

					40
DC rated control voltag	je			V	48
DC operating voltage					
	pick-up		min	0/110	75
			min	%Us %Us	75 115
	drop-out		max	7005	115
	diop-out		min	%Us	10
			max	%Us	25
Average coil consumpt	tion ≤20°C		тах	/000	20
, tronago con concamp			in-rush	W	3.2
			holding	W	3.2
Max cycles frequency			g		
Mechanical operation				cycles/h	3600
Operating times				ý	
Average time for Us co	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			-
			min	ms	7
	in DC		max	ms	17
	IN DC				
		Closing NO	min	ms	18
			max	ms	25
		Opening NO	Пал	1113	20
		oponing i to	min	ms	2
			max	ms	3
		Closing NC			-
		0	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 mo	otor			
			at 480V	A	11
			at 600V	Α	11
Yielded mechanical pe					
	for single-phase AC n	notor			a <b>-</b>
			110/120V	HP	0.5
	<u>()</u>		230V	HP	1.5
	for three-phase AC m	otor	000/0001/		2
			200/208V	HP	3
			220/230V	HP	3
			460/480V	HP	7.5
			575/600V	HP	10

11BG1201D048 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



General USE				
	Contactor			
		AC current	А	20
Short-circuit protection				
	High fault			100
		Short circuit current	kA ^	100
		Fuse rating Fuse class	A	30 J
	Standard fault	1 436 61833		5
		Short circuit current	kA	5
		Fuse rating	А	30
		Fuse class		RK5
	iliary contacts according to UL			A600 - Q600
Ambient conditions				
Temperature				
	Operating temperature	min	°C	50
		min max	°C °C	-50 +70
	Storage temperature	IIIdA	U	+70
		min	°C	-60
		max	°Ċ	+80
Max altitude			m	3000
Resistance & Protec	tion			
Pollution degree				3
Dimensions				
4.4 (0.17") (0.17") (0.33") (0.33") (0.33") (0.33") (0.33")	(2.24") (2.24") (3.6 (1) (3.6 (1) (1.37")	44 (1.73")	(2.28") 5	57 .24") RF9 9 
A1	$\begin{bmatrix} L1 & L2 & L3 \\ 1 & 3 & 5 & 21 \\ 1 & 4 & 4 &$			
Certifications and co Compliance	mpliance			
Compliance				

CSA C22.2 n° 60947-1



## 11BG1201D048 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 12A, DC COIL, 48VDC, **1NC AUXILIARY CONTACT**

	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