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Product type designation         BG09           Contact characteristics         Nr.         3           Rated insulation voltage Ui IEC/EN         V         690           Rated impulse withstand voltage Uimp         kV         6           Operational frequency         min         Hz         25           max         Hz         400         100           IEC Conventional free air thermal current lth         A         20           Operational current le         AC-1 (≤40°C)         A         20           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         9         AC-4 (400V)         A         4           Rated operational power AC-3 (T≤55°C)         XW         2.2         400V         kW         4.3           440V         kW         4.3         440V         kW         4.3				
Product type designation BG09 Contact characteristics Number of poles Nr. 3 Rated insulation voltage U IIFC/EN V 690 Rated insulation voltage U Ump V V 6 Operational frequency III EC/EN A 20 Contact (S400°C) A 20 AC-1 (S40°C) A 20 AC-1 (S50°C) A 18 AC-1 (S50°C) A 18 AC-1 (S50°C) A 15 AC-3 (S4400 V 55°C) A 15 AC-3 (S4400 V 55°C) A 9 AC-4 (400V) A 4 Rated operational power AC-3 (T≤55°C) 230V kW 2.2 400V kW 4 415V kW 4.3 440V kW 4.5 500V kW 5 690V kW 5 690V kW 5 690V kW 5 690V kW 5 690V kW 14 500V kW 16 690V kW 16 690V kW 16 690V kW 22 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series S24V A 15 IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series S24V A 15 IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series S24V A 15 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series S24V A 15 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series S24V A 15 IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series S24V A 16 48V A 16 75V A 16 48V A 16 75V A 16 10V A 10V A 10V 10V A 10V A 10V 10V A 1	Product designation			Power contacto
Contact characteristics         Nr.         3           Number of poles         Nr.         3           Rated insulation voltage Ui IEC/EN         V         690           Rated insulation voltage Uimp         kV         6           Operational frequency         min         Hz         25           max         Hz         400         1           IEC Conventional free air thermal current lth         A         20           Operational current le         AC-1 (≤40°C)         A         20           AC-1 (S5°C)         A         18         AC-1 (S5°C)         A           AC-3 (≤440V ≤55°C)         A         9         AC-4 (400V)         A           Rated operational power AC-3 (T≤55°C)         230V         kW         4.           415V         KW         4.         4.           415V         KW         4.         5.           690V         kW         4.         5.           690V         kW         5.         6.           Rated operational power AC-1 (T≤40°C)         230V         kW         8.           400V         kW         4.         5.         6.           690V         kW         5.         6.	-			
Number of poles         Nr.         3           Rated insulation voltage UI IEC/EN         V         690           Rated insulation voltage Uimp         KV         6           Operational frequency         min         Hz         25           max         Hz         400         20           IEC Conventional free air thermal current Ith         A         20           Operational current le         AC-1 (≤40°C)         A         20           AC-1 (≤40°C)         A         15         AC-1 (≤55°C)         A         18           AC-1 (≤40°C)         A         15         AC-1 (≤40°C)         A         9           AC-3 (≤4400 ≤55°C)         A         15         AC-3 (≤4400 ≤5°C)         A         9           AC-4 (400V)         A         4         415V         KW         4.           AddV         KW         4.         415V         KW         4.           AddV         KW         4.         416V         KW         8.           AddV         KW         8.         400V         KW         8.           AddVV         KW         8.         400V         KW         8.           Extend operational power AC-1 (T≤40°C)				
Rated insulation voltage Ui IEC/ENV690Rated inpulse withstand voltage UimpkV6Operational frequencyminHz25maxHz400400IEC Conventional frequencyA20Operational current leAC-1 (\$50°C)A15AC-1 (\$55°C)A15AC-1 (\$55°C)A9AC-1 (\$55°C)A9AC-4 (400V)A4Rated operational power AC-3 (T≤55°C)230VkW2.2400VkW4.3Rated operational power AC-3 (T≤55°C)230VkW4.5500VkW4.5SolovkW4.5500VkW4.6500VkW4.6G90VkW5690VkW5690VkW5Rated operational power AC-1 (T≤40°C)230VkW8400VkW14500VkW16690VkW2.248VA1075VA1248VA1075VA4110VA3220VA1612C max current le in DC1 with L/R ≤ 1ms with 2 poles in series\$24VA1548VA1475VA9110VA8220VA1648VA1648VA1648VA1648VA1675VA10161616161616			Nr.	3
Rated impulse withstand voltage Uimp         kV         6           Operational frequency         min         Hz         25           max         Hz         400         A         20           Operational current le         A         20         AC-1 (≤40°C)         A         20           Operational current le         AC-1 (≤55°C)         A         18         AC-1 (≤55°C)         A         18           AC-3 (≤4400V)         A         4         A         4         A         A           AC-3 (≤4400V)         A         4         A         A         A         A           AC-4 (400V)         A         4         A         A         A         A           Rated operational power AC-3 (T≤55°C)         230V         kW         4         A         A         A           Rated operational power AC-1 (T≤40°C)         230V         kW         4         A				
Operational frequency         min         Hz         25           max         Hz         400           Operational free air thermal current lth         A         20           Operational current le         AC-1 (s40°C)         A         20           AC-1 (s55°C)         A         18         AC-1 (s70°C)         A         15           AC-1 (s70°C)         A         15         AC-3 (s440V s55°C)         9         AC-4 (400V)         A         4           Rated operational power AC-3 (T≤55°C)         230V         kW         2.2         400V         kW         4.5           S00V         kW         4.5         500V         kW         4.5           S00V         kW         4.5         500V         kW         5           Rated operational power AC-1 (T≤40°C)         230V         kW         8         400V         kW         16           690V         kW         2         2         2         2         2         2           IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series         ≤24V         A         12         48         A         10           75V         A         4         110V         A         3         220V				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			ιτν	0
max         Hz         400           Decisional current le         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 (≤40V)         A         9         AC-3 (≤440V)         A         9           AC-3 (≤440V)         A         4         AC-4 (400V)         A         4           Rated operational power AC-3 (T≤55°C)         Z30V         KW         2.2         400V         KW         4           Rated operational power AC-3 (T≤55°C)         Z30V         KW         4.3         440V         KW         4.5           A00V         KW         4.3         440V         KW         4.5         5           Geover         KW         5         5         690V         KW         5           Rated operational power AC-1 (T≤40°C)         Z30V         KW         8         400V         KW         14           500V         KW         14         500V         KW         12           IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series         S24V         A         12           48V         A <td>Operational frequency</td> <td>min</td> <td><b>⊔</b>-,</td> <td>25</td>	Operational frequency	min	<b>⊔</b> -,	25
IEC Conventional free air thermal current Ith A 20 Operational current le $AC-1 (s40^\circ C) A 20$ $AC-1 (s55^\circ C) A 18$ $AC-1 (s70^\circ C) A 15$ $AC-3 (s4400  s55^\circ C) A 9$ AC-4 (400V) A 4 Rated operational power AC-3 (T≤55°C) 230V kW 2.2 400V kW 4.3 415V kW 4.3 440V kW 4.5 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 114 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 - IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V A 15$ 48V A 14 75V A 9 110V A 8 220V A -				
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       9         AC-4 (400V)       A       4         Rated operational power AC-3 (T≤55°C)       230V       kW       2.2         400V       kW       4.3         415V       kW       4.3         415V       kW       4.5         500V       kW       5         690V       kW       5         690V       kW       14         500V       kW       14         500V       kW       14         500V       kW       14         690V       kW       12         IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series       \$24V       A       12         48V       A       10       75V       A       9         1EC 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       -         <	IFC Conventional free air thermal surrent lth	IIIdX		
AC-1 (≤40°C) A 20 AC-1 (≤40°C) A 18 AC-1 (≤70°C) A 15 AC-3 (≤440∨ 55°C) A 9 AC-4 (400∨) A 4 Rated operational power AC-3 (T≤55°C) 230V kW 2.2 400V kW 4 415V kW 4.3 440V kW 4.5 500V kW 5 Rated operational power AC-1 (T≤40°C) 230V kW 5 Rated operational power AC-1 (T≤40°C) 230V kW 14 500V kW 14 500V kW 14 500V kW 16 690V kW 16 690V kW 16 690V kW 16 690V kW 16 690V kW 16 100V kW 16 500V kW 16 690V kW 16 6			A	20
$ \begin{array}{cccc} AC-1 (\pm 55^{\circ} C) & A & 18 \\ AC-1 (\pm 70^{\circ} C) & A & 15 \\ AC-3 (\pm 440 \vee 55^{\circ} C) & A & 9 \\ AC-4 (\pm 00V) & A & 4 \\ \end{array}$ Rated operational power AC-3 (T≤55°C) $ \begin{array}{cccc} 230V & kW & 2.2 \\ 400V & kW & 4.3 \\ 415V & kW & 4.3 \\ 440V & kW & 4.5 \\ 500V & kW & 5 \\ \end{array}$ Rated operational power AC-1 (T≤40°C) $ \begin{array}{ccccc} 230V & kW & 8 \\ 400V & kW & 14 \\ 500V & kW & 16 \\ 690V & kW & 16 \\ 100V & A & 3 \\ 220V & A & 4 \\ 110V & A & 3 \\ 220V & A & 15 \\ 48V & A & 16 \\ 75V & A & 9 \\ 110V & A & 8 \\ 220V & A & - \\ \end{array}$	Operational current le	10 4 ( 40% 0)	•	00
AC-1 (≤70°C)       A       15         AC-3 (≤440V ≤55°C)       A       9         AC-4 (400V)       A       4         Rated operational power AC-3 (T≤55°C)       230V       kW       2.2         400V       kW       4         415V       kW       4.3         440V       kW       4.5         500V       kW       5         690V       kW       5         Rated operational power AC-1 (T≤40°C)       230V       kW       8         400V       kW       4       500V       kW       14         500V       kW       14       500V       kW       14         500V       kW       14       500V       kW       16         690V       kW       12       48V       10       75V       A       1         IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series       ≤24V       A       15       48V       A       10         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				
AC-3 (≤440V) ≤55°C)       A       9         AC-4 (400V)       A       4         Rated operational power AC-3 (T≤55°C)       230V       kW       2.2         400V       kW       4         415V       kW       4.3         440V       kW       4.5         500V       kW       5         690V       kW       5         Rated operational power AC-1 (T≤40°C)       230V       kW       8         400V       kW       14       500V       kW       16         690V       kW       12       48V       A       12         48V       A       12       48V       A       11         75V       A       4       110V       A       3         220V       A       -       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       <		. ,		
AC-4 (400V)       A       4         Rated operational power AC-3 (T≤55°C)       230V       kW       2.2         400V       kW       4         415V       kW       4.3         440V       kW       4.5         500V       kW       5         Rated operational power AC-1 (T≤40°C)       230V       kW       8         400V       kW       14       500V       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 3 poles in series       ≤24V       A       15         48V       A       14       75V       A       9         110V       A <td></td> <td></td> <td></td> <td></td>				
Rated operational power AC-3 (T≤55°C)       230V       kW       2.2         400V       kW       4         415V       kW       4.3         440V       kW       4.5         500V       kW       5         Rated operational power AC-1 (T≤40°C)         230V       kW       8         400V       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         S24V       A       15         48V       A       14       75V       A       9         110V       A       8       20V       A       -         IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series       524V       A       16      <		. , ,		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		AC-4 (400V)	A	4
$ \begin{array}{cccc} 400 & k & 4 \\ 415 & k & 4.3 \\ 440 & k & 4.5 \\ 500 & k & 5 \\ 690 & k & 5 \\ 690 & k & 5 \end{array} \end{array} $ Rated operational power AC-1 (T<40°C) $ \begin{array}{cccc} 230 & k & 8 \\ 400 & k & 14 \\ 500 & k & 14 \\ 500 & k & 14 \\ 500 & k & 22 \end{array} \end{array}$ IEC max current le in DC1 with L/R < 1ms with 1 poles in series $ \begin{array}{ccccc} 224 & A & 12 \\ 48 & A & 10 \\ 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}{ccccccccccccccccccccccccccccccccccc$	Rated operational power AC-3 (T≤55°C)			
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				
$ \begin{array}{cccc} 440 \lor & k \cr & k \cr & 5 \cr 690 \lor & k \cr & 5 \cr 690 \lor & k \cr & 5 \cr \\ 690 \lor & k \cr & 5 \cr \\ 690 \lor & k \cr & 5 \cr \\ 690 \lor & k \cr & 5 \cr \\ 690 \lor & k \cr & 5 \cr \\ 230 \lor & k \cr & 8 \cr \\ 400 \lor & k \cr & 14 \cr \\ 500 \lor & k \cr & 14 \cr \\ 500 \lor & k \cr & 12 \cr \\ 690 \lor & k \cr & 22 \cr \\ 1EC max current le in DC1 with L/R \leq 1ms with 1 poles in series \cr & \leq 24 \lor & A & 12 \cr & 48 \lor & A & 10 \cr & 75 \lor & A & 4 \cr & 110 \lor & A & 3 \cr & 220 \lor & A & - \cr \\ 1EC max current le in DC1 with L/R \leq 1ms with 2 poles in series \cr & \leq 24 \lor & A & 15 \cr & 48 \lor & A & 14 \cr & 75 \lor & A & 9 \cr & 110 \lor & A & 8 \cr & 220 \lor & A & - \cr \\ 1EC max current le in DC1 with L/R \leq 1ms with 2 poles in series \cr & \leq 24 \lor & A & 15 \cr & 48 \lor & A & 14 \cr & 75 \lor & A & 9 \cr & 110 \lor & A & 8 \cr & 220 \lor & A & - \cr \\ 1EC max current le in DC1 with L/R \leq 1ms with 3 poles in series \cr & \leq 24 \lor & A & 15 \cr & 48 \lor & A & 14 \cr & 75 \lor & A & 9 \cr & 110 \lor & A & 8 \cr & 220 \lor & A & - \cr \\ 1EC max current le in DC1 with L/R \leq 1ms with 3 poles in series \cr & \leq 24 \lor & A & 16 \cr & 48 \lor & A & 16 \cr & 48 \lor & A & 16 \cr & 75 \lor & A & 10 \cr \end{array}$				
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 $≤24V$ 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       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       20V       A       -         IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $≤24V$ A       16         48V       A       16       48V       A       16         48V       A       16       75V       A				
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       15       48V       A       14         75V       A       9       110V       A       8       220V       A       16         120V       A       16       48V       A       16       48V       A       16         48V       A       16       75V       A       10       10			kW	4.5
Rated operational power AC-1 (T≤40°C) $ \begin{array}{ccccccccccccccccccccccccccccccccccc$				
$ \begin{array}{c} 230 \lor k \lor 8 \\ 400 \lor k \lor 14 \\ 500 \lor k \lor 22 \\ \hline \\ 16690 \lor k \lor 22 \\ \hline \\ 1690 \lor k \lor 22 \\ \hline \\ 120 \lor k \lor 22 \\ \hline \\ 110 \lor k \lor 22 \\ \hline \\ 110 \lor k \lor 21 \\ \hline \\ 110 \lor 21 \\ \hline \\ 11$		690V	kW	5
$400V$ kW14 $500V$ kW16 $690V$ kW22IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\leq 24V$ A12 $48V$ A1075VA4 $110V$ A3220VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24V$ A15 $48V$ A1475VA9 $110V$ A8220VA-IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A16 $48V$ A1648VA16 $48V$ A1675VA10	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
690VkW22IEC 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 $\leq 24V$ A1648VA1648VA1675VA1075VA10		400V	kW	14
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\leq 24$ VA1248VA1075VA4110VA3220VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24$ VA1548VA1475VA9110VA8220VA-IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24$ VA1648VA1675VA10		500V	kW	16
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		690V	kW	22
$ \begin{array}{ccccc} 48V & A & 10 \\ 75V & A & 4 \\ 110V & A & 3 \\ 220V & A & - \end{array} \\ \hline \end{tabular} \\ \hline tabu$	IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
$\begin{array}{cccc} 75 & A & 4 \\ 110 & A & 3 \\ 220 & A & - \end{array}$ IEC max current le in DC1 with L/R < 1ms with 2 poles in series $\begin{array}{cccc} \leq 24 V & A & 15 \\ 48 V & A & 15 \\ 48 V & A & 14 \\ 75 V & A & 9 \\ 110 V & A & 8 \\ 220 V & A & - \end{array}$ IEC max current le in DC1 with L/R < 1ms with 3 poles in series $\begin{array}{cccccccccccccccccccccccccccccccccccc$		≤24V	А	12
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		48V	А	10
$\begin{array}{c cccc} 110 \lor & A & 3\\ 220 \lor & A & - \end{array}$ $\begin{array}{c ccccccccccccccccccccccccccccccccccc$		75V	А	4
$220V$ A-IEC max current le in DC1 with L/R < 1ms with 2 poles in series		110V	А	
IEC max current le in DC1 with L/R $\leq$ 1ms with 2 poles in series $\leq 24V$ A1548VA1475VA9110VA8220VA-			А	-
$ \begin{array}{cccc} \leq 24 & \text{V} & \text{A} & 15 \\ & 48 & \text{A} & 14 \\ & 75 & \text{A} & 9 \\ & 110 & \text{A} & 8 \\ & 220 & \text{A} & - \end{array} \\ \hline \text{IEC max current le in DC1 with L/R \leq 1 ms with 3 poles in series} \\ \hline \qquad \qquad$	IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
$ \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} \\ \hline \mbox{\leq} 224 & A & 16 \\ 48 & A & 16 \\ 75 & A & 10 \end{array} $		≤24V	А	15
$\begin{array}{cccc} 75 & A & 9 \\ 110 & A & 8 \\ 220 & A & - \end{array}$ $\begin{array}{cccc} \text{IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series} \\ & \leq 24 & A & 16 \\ & 48 & A & 16 \\ & 75 & A & 10 \end{array}$				
$ \begin{array}{c cccc} 110 V & A & 8 \\ 220 V & A & - \end{array} \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R $\le$ 1ms with 3 poles in series} \\ \hline \mbox{$\le$ 24V $ A $ $16$} \\ \mbox{$48V $ A $ $16$} \\ \mbox{$75V $ $A $ $10$} \end{array} $				
$220V$ A-IEC max current le in DC1 with L/R $\leq$ 1ms with 3 poles in series $\leq 24V$ A16 $48V$ A16 $75V$ A10				
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 16 48V A 16 75V A 10				
≤24V A 16 48V A 16 75V A 10	IFC max current le in DC1 with I /R < 1ms with 3 notes in series	2231	<i>,</i> ,	
48V A 16 75V A 10		<21/1	Δ	16
75V A 10				
		TIOV	~	10



## 11BG0901A230

MINICONTACTEUR, BG0901A, 3P+1NF, 9A AC3, 230V 50/60HZ

	220V	А	2
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	≤24V	А	16
	48V	А	16
	75V	А	10
	110V	А	10
	220V	А	2
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	≤24V	А	7
	48V	А	6
	75V	А	2
	110V	А	1
	220V	А	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	≤24V	А	8
	48V	А	8
	75V	A	5
	110V	A	4
	220V	A	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	2201		
	≤24V	А	10
	48V	A	10
	75V	A	6
	110V	A	5
	220V	A	0,8
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	220 V	~	0,0
TEC max current le in DC3-DC3 with E/K 3 15ms with 4 poles in series	≤24V	А	10
	≤24∨ 48V	A	10
	40V 75V		
	75V 110V	A	6 5
	-	A	
Chart time allowable automation 400 (IEC/ENC0047.4)	220V	A A	0,8
Short-time allowable current for 10s (IEC/EN60947-1)		A	96
Protection fuse		٨	20
	gG (IEC)	A	20
	aM (IEC)	A A	10
Making capacity (RMS value)		A	92
Breaking capacity at voltage	44014		70
	440V	A	72
	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	0.81
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



Maria		max	Ibin	9
	simultaneously connectable		Nr.	2
Conductor section	ANA/C/Komil			
	AWG/Kcmil	may		12
	Flexible w/o lug conductor section	max		12
	Flexible w/o lug conductor section	min	mm²	0.75
		max	mm²	2.5
	Flexible c/w lug conductor section	max		2.5
		min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section	max		2.0
		min	mm²	1.5
		max	mm²	2.5
				IP20 when
Power terminal prote	ction according to IEC/EN 60529			properly wired
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rai
i ixiing				35mm
Weight			g	182
Conductor section				
	AWG/kcmil conductor section			
		max		12
Auxiliary contact char	acteristics			
Thermal current Ith			A	10
	nation			A600 - Q600
	-			1000 0000
	-			
	-	230V	A	3
	-	400V	А	3 1.9
IEC/EN 60947-5-1 de	15		-	3
	15	400V 500V	A A	3 1.9 1.4
Operating current AC	15	400V	А	3 1.9
Operating current AC	15	400V 500V 110V	A A A	3 1.9 1.4 2.9
Operating current AC	15	400V 500V 110V 24V	A A A	3 1.9 1.4 2.9 2.9
Operating current AC	15	400V 500V 110V 24V 48V	A A A A A	3 1.9 1.4 2.9 2.9 1.4
Operating current AC	15	400V 500V 110V 24V 48V 60V	A A A A A A	3 1.9 1.4 2.9 2.9 1.4 1.2
Operating current AC	15	400V 500V 110V 24V 48V 60V 110V	A A A A A A A A	3 1.9 1.4 2.9 2.9 1.4 1.2 0.6
Operating current AC	15	400V 500V 110V 24V 48V 60V 110V 125V	A A A A A A A A A	3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55
Operating current AC	15	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A	3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3
Operating current AC Operating current DC Operating current DC	15	400V 500V 110V 24V 48V 60V 110V 125V	A A A A A A A A A	3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55
Operating current AC Operating current DC Operating current DC	15	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A A	3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Operating current AC Operating current DC Operating current DC Operations Mechanical life	15	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A Cycles	3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000
Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life	15	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A A	3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	115 112 113	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A Cycles	3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000
Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	15	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A A Cycles cycles	3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	115 112 113 10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A Cycles cycles	3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000 500000
Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B <sup>2</sup>	115 112 113 10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A A Cycles cycles	3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000 500000 500000
Operating current AC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B <sup>2</sup>	115 112 113 10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A Cycles cycles	3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000 500000

11BG0901A230

MINICONTACTEUR, BG0901A, 3P+1NF, 9A AC3, 230V 50/60HZ

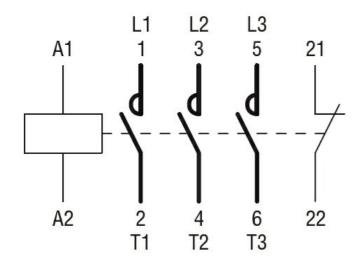


Rated AC voltage at 5	0/60Hz			V	230
AC operating voltage					
	of 50/60Hz coil powere	ed at 50Hz			
		pick-up			
			min	%Us	75
			max	%Us	115
		drop-out			
			min	%Us	20
			max	%Us	55
	of 50/60Hz coil powere				
		pick-up		0/11	
			min	%Us	80
			max	%Us	115
		drop-out		0/11-	00
			min	%Us	20
10	1.00%0		max	%Us	55
AC average coil consu	-				
	of 50/60Hz coil powere	eu al SUHZ	in-rush	١/٨	20
				VA	30
			holding	VA	4
	of 50/60Hz coil powere	eu at 60HZ		١/٨	25
			in-rush	VA	25
			holding	VA	3
	of 60Hz coil powered a	it 60HZ	ia wah	١/٨	20
			in-rush	VA	30
			بمصالما مط	1/4	A
Discinction of holding			holding	VA	4
	≤20°C 50Hz		holding	VA W	4 0.95
Dissipation at holding Max cycles frequency	≤20°C 50Hz		holding	W	0.95
Max cycles frequency Mechanical operation	≤20°C 50Hz		holding		0.95
Max cycles frequency Mechanical operation Operating times			holding	W	0.95
Max cycles frequency Mechanical operation Operating times	ontrol		holding	W	0.95
Max cycles frequency Mechanical operation Operating times			holding	W	0.95
Max cycles frequency Mechanical operation Operating times	ontrol	Closing NO		W cycles/h	0.95 3600
Max cycles frequency Mechanical operation Operating times	ontrol	Closing NO	min	W cycles/h ms	0.95 3600 12
Max cycles frequency Mechanical operation Operating times	ontrol	-		W cycles/h	0.95 3600
Max cycles frequency Mechanical operation Operating times	ontrol	Closing NO Opening NO	min max	W cycles/h ms ms	0.95 3600 12 21
Max cycles frequency Mechanical operation Operating times	ontrol	-	min max min	W cycles/h ms ms	0.95 3600 12 21 9
Max cycles frequency Mechanical operation Operating times	ontrol	Opening NO	min max	W cycles/h ms ms	0.95 3600 12 21
Max cycles frequency Mechanical operation Operating times	ontrol	-	min max min max	W cycles/h ms ms ms ms	0.95 3600 12 21 9 18
Max cycles frequency Mechanical operation Operating times	ontrol	Opening NO	min max min max min	W cycles/h ms ms ms ms	0.95 3600 12 21 9 18 17
Max cycles frequency Mechanical operation Operating times	ontrol	Opening NO Closing NC	min max min max	W cycles/h ms ms ms ms	0.95 3600 12 21 9 18
Max cycles frequency	ontrol	Opening NO	min max min max min max	W cycles/h ms ms ms ms ms ms	0.95 3600 12 21 9 18 17 26
Max cycles frequency Mechanical operation Operating times	ontrol	Opening NO Closing NC	min max min max min max min max min	W cycles/h ms ms ms ms ms ms ms	0.95 3600 12 21 9 18 17 26 7
Max cycles frequency Mechanical operation Operating times	ontrol in AC	Opening NO Closing NC	min max min max min max	W cycles/h ms ms ms ms ms ms	0.95 3600 12 21 9 18 17 26
Max cycles frequency Mechanical operation Operating times	ontrol	Opening NO Closing NC Opening NC	min max min max min max min max min	W cycles/h ms ms ms ms ms ms ms	0.95 3600 12 21 9 18 17 26 7
Max cycles frequency Mechanical operation Operating times	ontrol in AC	Opening NO Closing NC	min max min max min max min max	W cycles/h ms ms ms ms ms ms ms ms	0.95 3600 12 21 9 18 17 26 7 17
Max cycles frequency Mechanical operation Operating times	ontrol in AC	Opening NO Closing NC Opening NC	min max min max min max min max min max min	W cycles/h ms ms ms ms ms ms ms ms	0.95 3600 12 21 9 18 17 26 7 17 18
Max cycles frequency Mechanical operation Operating times	ontrol in AC	Opening NO Closing NC Opening NC Closing NO	min max min max min max min max	W cycles/h ms ms ms ms ms ms ms ms	0.95 3600 12 21 9 18 17 26 7 17
Max cycles frequency Mechanical operation Operating times	ontrol in AC	Opening NO Closing NC Opening NC	min max min max min max min max min max min	W cycles/h ms ms ms ms ms ms ms ms	0.95 3600 12 21 9 18 17 26 7 17 17 18 25
Max cycles frequency Mechanical operation Operating times	ontrol in AC	Opening NO Closing NC Opening NC Closing NO	min max min max min max min max min max min max min max min	W cycles/h ms ms ms ms ms ms ms ms ms	0.95 3600 12 21 9 18 17 26 7 17 17 18 25 2
Max cycles frequency Mechanical operation Operating times	ontrol in AC	Opening NO Closing NC Opening NC Closing NO Opening NO	min max min max min max min max min max	W cycles/h ms ms ms ms ms ms ms ms	0.95 3600 12 21 9 18 17 26 7 17 17 18 25
Max cycles frequency Mechanical operation Operating times	ontrol in AC	Opening NO Closing NC Opening NC Closing NO	min max min max min max min max min max min max min max min	W cycles/h ms ms ms ms ms ms ms ms ms	0.95 3600 12 21 9 18 17 26 7 17 17 18 25 2



	Opening	NC		
		min	ms	11
		max	ms	17
UL technical data				
Full-load current (FLA	.) for three-phase AC motor			
		at 480V	A	7.6
	-	at 600V	A	6.1
Yielded mechanical p				
	for single-phase AC motor	110/1001/		<u>م -</u>
		110/120V 230V	HP HP	0.5
	for three-phase AC motor	2300		1.5
	for three-phase AC motor	200/208V	HP	2
		220/230V	HP	3
		460/480V	HP	5
		575/600V	HP	5
General USE				-
	Contactor			
		AC current	А	20
Short-circuit protectio	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	A	30
		Fuse class		RK5
	iary contacts according to UL			A600 - Q600
Ambient conditions				
Temperature				
	Operating temperature		°C	50
		min	°C °C	-50
	Storago tomporaturo	max	C	+70
	Storage temperature	min	°C	-60
		max	°C	-80 +80
Max altitude			 	3000
Resistance & Protecti	ion			
Pollution degree				3
Dimensions				
4.4 (0.17") (0.18") (0	57 (2.24") (1.37")	3.2 (1.37") 3.2 (0.12"	(2.28°) S	57 24") RF9 
(0.33")		└ <b>───</b> 44 ── <b>─</b> (1.73")	-	
Wiring diagrams				





## Certifications and compliance

Comp	liance

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