





| Product type designation  | Product designation   |             |     | Power contactor |
|---|---|-------------|-----|-----------------|
| Number of poles   | Product type designation  |             |     | BG06            |
| 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         16           Operational current le         AC-1 (≤40°C)         A         16           AC-1 (≤55°C)         A         14         AC-1 (≤55°C)         A         12           AC-3 (≤440V ≤55°C)         A         6         AC-4 (400V)         A         3.3           Rated operational power AC-3 (T≤55°C)         230V         kW         1.5         400V         kW         2.2           440V         kW         2.2         415V         kW         2.4         444V         kW         2.4           440V         kW         2.5         500V         kW         3         690V         kW         1.5           400V         kW         2.2         415V         kW         6         400V         kW         1.0         50V         1.0         1.0   | Contact characteristics   |             |     |                 |
| Rated impulse withstand voltage Uimp  | Number of poles   |             | Nr. | 3               |
| Operational frequency         min max         Hz bits         2 do           IEC Conventional free air thermal current lith         A 16           Operational current le           AC-1 (\$40°C)         A 16           AC-1 (\$55°C)         A 14           AC-3 (\$4400 \$55°C)         A 6           AC-3 (\$4400 \$55°C)         A 3.3           Rated operational power AC-3 (T≤55°C)           230V kW 2.2           415V kW 2.4         440V kW 2.5           500V kW 3         3           Rated operational power AC-1 (T≤40°C)           230V kW 6           400V kW 10           500V kW 13           690V kW 16           400V kW 10           500V kW 18           IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series           \$24V A 9           48V A 7           110V A 6           220V A -           IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series           \$24V A 7           48V A 7           110V A 6           220V A -           IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series  | Rated insulation voltage Ui IEC/EN                              |             | V   | 690             |
| Fig. 25   | Rated impulse withstand voltage Uimp                            |             | kV  | 6               |
| EC Conventional free air thermal current Ith  | Operational frequency   |             |     |                 |
| EC Conventional free air thermal current lth  |   | min         | Hz  | 25              |
| Operational current le         AC-1 (≤40°C)       A       16         AC-1 (≤55°C)       A       14         AC-1 (≤70°C)       A       12         AC-3 (≤440V ≤55°C)       A       6         AC-4 (400V)       A       3.3         Rated operational power AC-3 (T≤55°C)         230V       kW       1.5         400V       kW       2.2         415V       kW       2.4         440V       kW       2.5         500V       kW       3         690V       kW       3         690V       kW       10         500V       kW       13         690V       kW       13         690V       kW       18         IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series         ≤24V       A       12         48V       A       11         75V       A       7         110V       A       6         220V       A       -         IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series         ≤24V       A       12         48V       A <td></td> <td>max</td> <td>Hz</td> <td>400</td>  |   | max         | Hz  | 400             |
| AC-1 (≤40°C)  |   |             | Α   | 16              |
| AC-1 (S55°C)  | Operational current le  |             |     |                 |
| AC-1 (≤70°C) A 12 AC-3 (≤440V ≤55°C) A 6 AC-4 (400V) A 3.3  Rated operational power AC-3 (T≤55°C)  230V kW 1.5 400V kW 2.2 415V kW 2.4 440V kW 2.5 500V kW 3 690V kW 3  Rated operational power AC-1 (T≤40°C)  230V kW 6 400V kW 10 500V kW 13 690V kW 13 69 |   |             | Α   | 16              |
| AC-3 (≤440V ≤55°C) A 6 AC-4 (400V) A 3.3  Rated operational power AC-3 (T≤55°C)  230V kW 1.5 400V kW 2.2 415V kW 2.4 440V kW 2.5 500V kW 3 690V kW 3  Rated operational power AC-1 (T≤40°C)  230V kW 6 400V kW 13 690V kW 13 690V kW 13 690V kW 18  IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series  ≤24V A 9 48V A 8 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 11 75V A 7 110V A 6 220V A −  IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series   |   |             | Α   | 14              |
| AC-4 (400V)   |   |             | Α   | 12              |
| Rated operational power AC-3 (T≤55°C)  230V kW 1.5 400V kW 2.2 415V kW 2.4 4440V kW 2.5 500V kW 3 690V kW 3 690V kW 10 500V kW 10 500V kW 13 690V kW 18  IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series  \$\frac{24V}{48V} A 9 48V A 8 75V A 4 110V A 3 220V A -  IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series  \$\frac{24V}{48V} A 12 48V A 11 75V A 7 110V A 6 220V A -  IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series  |   | •           | Α   |                 |
| 230V   kW   1.5   400V   kW   2.2   415V   kW   2.4   445V   kW   2.5   500V   kW   3   690V   kW   3   690V   kW   3   690V   kW   3   690V   kW   10   500V   kW   13   690V   kW   18   690   | 9   | AC-4 (400V) | Α   | 3.3             |
| 400V   kW   2.2   415V   kW   2.4   440V   kW   2.5   500V   kW   3   690V   kW   3   690V   kW   3   690V   kW   3   690V   kW   10   500V   kW   13   690V   kW   18   kW   10   kW   1   | Rated operational power AC-3 (T≤55°C)                           |             |     |                 |
| 415V  |   | 230V        | kW  | 1.5             |
| A40V   kW   2.5   500V   kW   3   690V   kW   10   600V   kW   10   600V   kW   13   690V   kW   18   690V   k   |   | 400V        | kW  | 2.2             |
| Soov   kW   3   690V   kW   3   8   8   8   8   8   8   8   8   8   |   | 415V        | kW  | 2.4             |
| Rated operational power AC-1 (T≤40°C)   230V   kW   6   400V   kW   10   500V   kW   13   690V   kW   18   18   18   18   18   18   19   19   |   | 440V        | kW  | 2.5             |
| Rated operational power AC-1 (T≤40°C)  230V kW 6 400V kW 10 500V kW 13 690V kW 18  IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series  ≤24V A 9 48V A 8 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 11 75V A 7 110V A 6 220V A −  IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series  ≤24V A 12 48V A 11 75V A 7 110V A 6 220V A −  |   | 500V        | kW  | 3               |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$  |   | 690V        | kW  | 3               |
| A00V   kW   10   500V   kW   13   690V   kW   18  | Rated operational power AC-1 (T≤40°C)                           |             |     |                 |
| Soov   kW   13   690V   kW   18   |   | 230V        | kW  | 6               |
| EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series   S24V   |   | 400V        | kW  | 10              |
| Section   Sec   |   | 500V        | kW  | 13              |
|   |   | 690V        | kW  | 18              |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$  | IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series |             |     |                 |
| T5V   A   4   110V   A   3   220V   A   -   |   | ≤24V        | Α   | 9               |
| 110V   A   3   220V   A   -   |   |             | Α   | 8               |
| EC max current le in DC1 with L/R $\leq$ 1ms with 2 poles in series   $\leq$ 24V   A   12   48V   A   11   75V   A   7   110V   A   6   220V   A   -  |   |             | Α   | 4               |
| EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series   ≤24V   |   | 110V        | Α   | 3               |
|   |   | 220V        | Α   |                 |
|   | IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series |             |     |                 |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$  |   |             | Α   | 12              |
|   |   |             | Α   | 11              |
| EC max current le in DC1 with L/R $\leq$ 1ms with 3 poles in series   $\leq$ 24V A 14 48V A 14 75V A 8  |   |             | Α   | 7               |
| IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series  ≤24V A 14  48V A 14  75V A 8   |   | 110V        | Α   | 6               |
| ≤24V A 14<br>48V A 14<br>75V A 8  |   | 220V        | Α   | _               |
| 48V A 14<br>75V A 8   | IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series |             |     |                 |
| 75V A 8   |   |             | Α   | 14              |
|   |   |             | Α   | 14              |
| 110V A 8  |   |             | Α   |                 |
|   |   | 110V        | Α   | 8               |





|  | 220V     | Α    | 1           |
|--|----------|------|-------------|
| IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series      |          |      |             |
| ·  | ≤24V     | Α    | _           |
|  | 48V      | Α    | _           |
|  | 75V      | Α    | _           |
|  | 110V     | A    | _           |
|  | 220V     | A    | _           |
| IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series | 220 V    |      | <del></del> |
| TEC max current le in DC3-DC3 with E/N 3 13ms with 1 poles in series | <0.117   | ٨    | 0           |
|  | ≤24V     | A    | 6           |
|  | 48V      | A    | 5           |
|  | 75V      | Α    | 2           |
|  | 110V     | Α    | 1           |
|  | 220V     | Α    | _           |
| IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series |          |      |             |
|  | ≤24V     | Α    | 7           |
|  | 48V      | Α    | 7           |
|  | 75V      | Α    | 4           |
|  | 110V     | Α    | 3           |
|  | 220V     | Α    | _           |
| IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series |          |      |             |
| ·  | ≤24V     | Α    | 9           |
|  | 48V      | Α    | 9           |
|  | 75V      | Α    | 5           |
|  | 110V     | A    | 4           |
|  | 220V     | A    | 0,5         |
| IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series | 220 V    |      | 0,3         |
| TEC max current le in DC3-DC3 with L/N 3 13ms with 4 poles in series | ≤24V     | ٨    |             |
|  |          | A    | _           |
|  | 48V      | Α    | _           |
|  | 75V      | Α    | _           |
|  | 110V     | Α    | _           |
|  | 220V     | Α    | _           |
| Short-time allowable current for 10s (IEC/EN60947-1)                 |          | Α    | 96          |
| Protection fuse  |          |      |             |
|  | gG (IEC) | Α    | 16          |
|  | aM (IEC) | Α    | 6           |
| Making capacity (RMS value)  |          | Α    | 92          |
| Breaking capacity at voltage   |          |      |             |
|  | 440V     | Α    | 72          |
|  | 500V     | Α    | 72          |
|  | 690V     | Α    | 72          |
| Resistance per pole (average value)                                  |          | mΩ   | 10          |
| Power dissipation per pole (average value)                           |          |      |             |
| 2 2 2 2 2 4 2 1 1 2 1 1 2 1 2 1 2 1 2 1                              | lth      | W    | 2.6         |
|  | AC-3     | W    | 0.36        |
| Tightening torque for terminals                                      | 710 0    | V V  | 0.00        |
| righterining torque for terminate                                    | min      | Nm   | 0.8         |
|  |          | Nm   |             |
|  | max      |      | 1           |
|  | min      | lbin | 9           |
| Tightonian tourne for call towning!                                  | max      | lbin | 9           |
| Tightening torque for coil terminal                                  |          |      | 2.2         |
|  | min      | Nm   | 0.8         |
|  | max      | Nm   | 1           |
|  | min      | lbin | 9           |
|  |          |      |             |



|   |   | max   | Ibin                                      | 9   |
|---|---|---|---|---|
|   | s simultaneously connectable                                |   | Nr.                                       | 2   |
| Conductor section   | A)A(O/I/C - 1)  |   |   |   |
|   | AWG/Kcmil   |   |   | 40  |
|   | Florible w/s has see ducton a still                         | max   |   | 12  |
|   | Flexible w/o lug conductor section                          |   |   | 0.75  |
|   |   | min   | mm²<br>mm²                                | 0.75<br>2.5   |
|   | Florible of what conductor costion                          | max   | 111111                                    | 2.5   |
|   | Flexible c/w lug conductor section                          | min   | mm²                                       | 1.5   |
|   |   | max   | mm²                                       | 2.5   |
|   | Flexible with insulated spade lug conductor section         |   | 111111                                    | 2.0   |
|   | Tickible with insulated space tag conductor section         | min   | mm²                                       | 1.5   |
|   |   | max   | mm²                                       | 2.5   |
|   |   | max   |   | IP20 when   |
| Power terminal prote  | ection according to IEC/EN 60529                            |   |   | properly wired  |
| Mechanical features   |   |   |   | proporty miles  |
| Operating position  |   |   |   |   |
| . 01  |   | normal  |   | Vertical plan   |
|   |   | allowable   |   | ±30°  |
| Einin n   |   |   |   | Screw / DIN rail  |
| Fixing  |   |   |   | 35mm  |
| Weight  |   |   | g   | 182   |
| Conductor section   |   |   |   |   |
|   | AWG/kcmil conductor section                                 |   |   |   |
|   |   | max   |   | 12  |
|   |   |   |   |   |
| Auxiliary contact cha   | racteristics  |   |   |   |
| •   | racteristics  |   | А   | 10  |
| Thermal current Ith   |   |   | A   | 10<br>A600 - Q600   |
| Thermal current Ith<br>IEC/EN 60947-5-1 d   | esignation  |   | A   |   |
| Thermal current Ith<br>IEC/EN 60947-5-1 d   | esignation  | 230V  | A   |   |
| Thermal current Ith<br>IEC/EN 60947-5-1 d   | esignation  | 230V<br>400V  |   | A600 - Q600   |
| Thermal current Ith<br>IEC/EN 60947-5-1 d   | esignation  |   | A   | A600 - Q600<br>3  |
| Thermal current Ith IEC/EN 60947-5-1 d  | esignation<br>C15   | 400V  | A<br>A                                    | A600 - Q600<br>3<br>1.9   |
| Thermal current lth IEC/EN 60947-5-1 d Operating current AC Operating current DC  | esignation<br>C15   | 400V  | A<br>A                                    | A600 - Q600<br>3<br>1.9   |
| Thermal current lth IEC/EN 60947-5-1 d Operating current AC Operating current DC  | esignation<br>C15   | 400V<br>500V  | A<br>A<br>A                               | A600 - Q600<br>3<br>1.9<br>1.4  |
| Thermal current lth IEC/EN 60947-5-1 d Operating current AC Operating current DC  | esignation<br>C15   | 400V<br>500V<br>110V<br>24V   | A<br>A<br>A                               | A600 - Q600<br>3<br>1.9<br>1.4  |
| Thermal current Ith IEC/EN 60947-5-1 d Operating current AC   | esignation<br>C15   | 400V<br>500V<br>110V<br>24V<br>48V  | A<br>A<br>A                               | A600 - Q600  3 1.9 1.4 2.9 2.9 1.4  |
| Thermal current Ith IEC/EN 60947-5-1 d Operating current AC   | esignation<br>C15   | 400V<br>500V<br>110V<br>24V   | A<br>A<br>A                               | A600 - Q600  3 1.9 1.4 2.9 2.9 1.4 1.2  |
| Thermal current Ith IEC/EN 60947-5-1 d Operating current AC   | esignation<br>C15   | 400V<br>500V<br>110V<br>24V<br>48V  | A<br>A<br>A<br>A                          | A600 - Q600  3 1.9 1.4 2.9 2.9 1.4  |
| Thermal current lth IEC/EN 60947-5-1 d Operating current AC Operating current DC  | esignation<br>C15   | 400V<br>500V<br>110V<br>24V<br>48V<br>60V                                 | A<br>A<br>A<br>A<br>A                     | A600 - Q600  3 1.9 1.4 2.9 2.9 1.4 1.2  |
| Thermal current lth IEC/EN 60947-5-1 d Operating current AC Operating current DC  | esignation<br>C15   | 400V<br>500V<br>110V<br>24V<br>48V<br>60V<br>110V                         | A<br>A<br>A<br>A<br>A                     | A600 - Q600  3 1.9 1.4  2.9  2.9 1.4 1.2 0.6  |
| Thermal current Ith IEC/EN 60947-5-1 d Operating current AC   | esignation<br>C15   | 400V<br>500V<br>110V<br>24V<br>48V<br>60V<br>110V<br>125V                 | A<br>A<br>A<br>A<br>A<br>A                | A600 - Q600  3 1.9 1.4  2.9  2.9 1.4 1.2 0.6 0.55                                   |
| Thermal current Ith IEC/EN 60947-5-1 d Operating current AC Operating current DC Operating current DC   | esignation<br>C15   | 400V<br>500V<br>110V<br>24V<br>48V<br>60V<br>110V<br>125V<br>220V         | A A A A A A A A                           | A600 - Q600  3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3                                 |
| Thermal current Ith IEC/EN 60947-5-1 d Operating current AC Operating current DC Operating current DC Operating current DC  | esignation<br>C15   | 400V<br>500V<br>110V<br>24V<br>48V<br>60V<br>110V<br>125V<br>220V         | A A A A A A A A                           | A600 - Q600  3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3                                 |
| Thermal current Ith IEC/EN 60947-5-1 d Operating current AC Operating current DC  | esignation<br>C15   | 400V<br>500V<br>110V<br>24V<br>48V<br>60V<br>110V<br>125V<br>220V         | A<br>A<br>A<br>A<br>A<br>A<br>A           | A600 - Q600  3 1.9 1.4  2.9  2.9 1.4 1.2 0.6 0.55 0.3 0.1                           |
| Thermal current Ith IEC/EN 60947-5-1 d Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life   | esignation<br>C15   | 400V<br>500V<br>110V<br>24V<br>48V<br>60V<br>110V<br>125V<br>220V         | A<br>A<br>A<br>A<br>A<br>A<br>A<br>Cycles | A600 - Q600  3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1                             |
| Thermal current Ith IEC/EN 60947-5-1 d Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data                     | esignation<br>C15   | 400V<br>500V<br>110V<br>24V<br>48V<br>60V<br>110V<br>125V<br>220V         | A<br>A<br>A<br>A<br>A<br>A<br>A<br>Cycles | A600 - Q600  3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1                             |
| Thermal current Ith IEC/EN 60947-5-1 d Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data                     | esignation<br>C15<br>C12<br>C13                             | 400V<br>500V<br>110V<br>24V<br>48V<br>60V<br>110V<br>125V<br>220V         | A<br>A<br>A<br>A<br>A<br>A<br>A<br>Cycles | A600 - Q600  3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1                             |
| Thermal current Ith IEC/EN 60947-5-1 d Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data                     | esignation C15 C12 C13 C13 C10d according to EN/ISO 13489-1 | 400V<br>500V<br>110V<br>24V<br>48V<br>60V<br>110V<br>125V<br>220V<br>600V | A A A A A A A A Cycles cycles             | A600 - Q600  3 1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000             |
| Thermal current Ith IEC/EN 60947-5-1 d Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B | esignation C15 C12 C13 C13 C10d according to EN/ISO 13489-1 | 400V<br>500V<br>110V<br>24V<br>48V<br>60V<br>110V<br>125V<br>220V<br>600V | A A A A A A A A Cycles cycles             | A600 - Q600  3 1.9 1.4  2.9  2.9  1.4 1.2 0.6 0.55 0.3 0.1  20000000  500000        |
|   | esignation C15 C12 C13 C10 according to EN/ISO 13489-1      | 400V<br>500V<br>110V<br>24V<br>48V<br>60V<br>110V<br>125V<br>220V<br>600V | A A A A A A A A Cycles cycles             | A600 - Q600  3 1.9 1.4  2.9  2.9 1.4 1.2 0.6 0.55 0.3 0.1  20000000  500000  500000 |





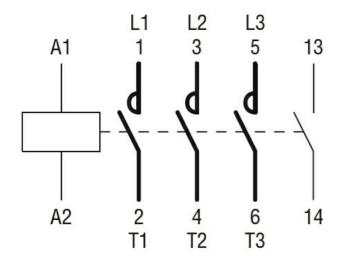
| Rated AC voltage at                  |                      |  |   | V                                | 230   |
|--------------------------------------|----------------------|--|---|----------------------------------|---|
| AC operating voltage                 |                      |  |   |                                  |   |
|                                      | of 50/60Hz coil po   |  |   |                                  |   |
|                                      |                      | pick-up  | min   | %Us                              | 75  |
|                                      |                      |  | max   | %Us                              | 115   |
|                                      |                      | drop-out   | Пах   | 7000                             | 110   |
|                                      |                      |  | min   | %Us                              | 20  |
|                                      |                      |  | max   | %Us                              | 55  |
|                                      | of 50/60Hz coil po   | owered at 60Hz   |   |                                  |   |
|                                      |                      | pick-up  |   |                                  |   |
|                                      |                      |  | min   | %Us                              | 80  |
|                                      |                      | _  | max   | %Us                              | 115   |
|                                      |                      | drop-out   |   | 0/11                             |   |
|                                      |                      |  | min   | %Us                              | 20<br>55  |
| C average soil car                   |                      |  | max   | %Us                              | 55  |
| C average coil con                   | of 50/60Hz coil po   | owered at 50Hz   |   |                                  |   |
|                                      | οι συνουί τε σοιί μο | JWOIGU AL JUI IZ   | in-rush                                     | VA                               | 30  |
|                                      |                      |  | holding                                     | VA                               | 4   |
|                                      | of 50/60Hz coil po   | owered at 60Hz   | 9   |                                  |   |
|                                      | ,                    |  | in-rush                                     | VA                               | 25  |
|                                      |                      |  | holding                                     | VA                               | 3   |
|                                      | of 60Hz coil power   | ered at 60Hz   |   |                                  |   |
|                                      |                      |  | in-rush                                     | VA                               | 30  |
|                                      |                      |  | holding                                     | VA                               | 4   |
| Dissipation at holdin                |                      |  |   | W                                | 0.95  |
| Max cycles frequent                  |                      |  |   | . "                              | 0000  |
| Mechanical operatio                  | n                    |  |   | cycles/h                         | 3600  |
| Operating times  Average time for Us | control              |  |   |                                  |   |
| werage unie ioi os                   | in AC                |  |   |                                  |   |
|                                      | 111710               | Closing NO   |   |                                  |   |
|                                      |                      |  |   |                                  |   |
|                                      |                      | Closing IVC  | min   | ms                               | 12  |
|                                      |                      | Clossing IVC   | min<br>max                                  | ms<br>ms                         | 12<br>21  |
|                                      |                      | Opening NO   |   |                                  |   |
|                                      |                      | -  |   |                                  | 9   |
|                                      |                      | Opening NO   | max   | ms                               | 21  |
|                                      |                      | -  | max<br>min<br>max                           | ms<br>ms<br>ms                   | <ul><li>21</li><li>9</li><li>18</li></ul>                                 |
|                                      |                      | Opening NO   | max<br>min<br>max<br>min                    | ms<br>ms<br>ms                   | <ul><li>21</li><li>9</li><li>18</li><li>17</li></ul>                      |
|                                      |                      | Opening NO Closing NC                                      | max<br>min<br>max                           | ms<br>ms<br>ms                   | <ul><li>21</li><li>9</li><li>18</li></ul>                                 |
|                                      |                      | Opening NO   | max<br>min<br>max<br>min<br>max             | ms<br>ms<br>ms<br>ms             | <ul><li>21</li><li>9</li><li>18</li><li>17</li><li>26</li></ul>           |
|                                      |                      | Opening NO Closing NC                                      | max min max min max min                     | ms<br>ms<br>ms<br>ms             | <ul><li>21</li><li>9</li><li>18</li><li>17</li><li>26</li><li>7</li></ul> |
|                                      | in DC                | Opening NO Closing NC                                      | max<br>min<br>max<br>min<br>max             | ms<br>ms<br>ms<br>ms             | <ul><li>21</li><li>9</li><li>18</li><li>17</li><li>26</li></ul>           |
|                                      | in DC                | Opening NO  Closing NC  Opening NC                         | max min max min max min                     | ms<br>ms<br>ms<br>ms             | <ul><li>21</li><li>9</li><li>18</li><li>17</li><li>26</li><li>7</li></ul> |
|                                      | in DC                | Opening NO Closing NC                                      | max min max min max min max                 | ms<br>ms<br>ms<br>ms<br>ms       | 21<br>9<br>18<br>17<br>26<br>7<br>17                                      |
|                                      | in DC                | Opening NO  Closing NC  Opening NC                         | max min max min max min                     | ms<br>ms<br>ms<br>ms             | <ul><li>21</li><li>9</li><li>18</li><li>17</li><li>26</li><li>7</li></ul> |
|                                      | in DC                | Opening NO  Closing NC  Opening NC                         | max min max min max min max min max         | ms<br>ms<br>ms<br>ms<br>ms<br>ms | 21<br>9<br>18<br>17<br>26<br>7<br>17                                      |
|                                      | in DC                | Opening NO  Closing NC  Opening NC  Closing NO             | max min max min max min max min max         | ms<br>ms<br>ms<br>ms<br>ms<br>ms | 21<br>9<br>18<br>17<br>26<br>7<br>17                                      |
|                                      | in DC                | Opening NO  Closing NC  Opening NC  Closing NO  Opening NO | max min max min max min max min max         | ms ms ms ms ms ms ms ms ms       | 21<br>9<br>18<br>17<br>26<br>7<br>17                                      |
|                                      | in DC                | Opening NO  Closing NC  Opening NC  Closing NO             | max min max min max min max min max min max | ms    | 21<br>9<br>18<br>17<br>26<br>7<br>17<br>18<br>25<br>2<br>3                |
|                                      | in DC                | Opening NO  Closing NC  Opening NC  Closing NO  Opening NO | max min max min max min max min max min max | ms    | 21<br>9<br>18<br>17<br>26<br>7<br>17                                      |



### Opening NC

|                          | Opening M                                | •   |        |                                 |
|--------------------------|--|---|--------|---------------------------------|
|                          |  | min   | ms     | 11                              |
|                          |  | max   | ms     | 17                              |
| UL technical data        |  | max   | 1110   |                                 |
|                          | ) for the real release A O real to re    |   |        |                                 |
| Full-load current (FLA)  | ) for three-phase AC motor               |   | _      |                                 |
|                          |  | at 480V   | Α      | 4.8                             |
|                          |  | at 600V   | Α      | 3.9                             |
| Yielded mechanical pe    | erformance                               |   |        |                                 |
| •                        | for single-phase AC motor                |   |        |                                 |
|                          | rer emgre prides 7 to meter              | 110/120V  | HP     | 0.3                             |
|                          |  | 230V  | HP     |                                 |
|                          |  | 230 V   | пР     | 1                               |
|                          | for three-phase AC motor                 |   |        |                                 |
|                          |  | 200/208V  | HP     | 1.5                             |
|                          |  | 220/230V  | HP     | 2                               |
|                          |  | 460/480V  | HP     | 3                               |
|                          |  | 575/600V  | HP     | 3                               |
| General USE              |  | 27 5/530 V  |        |                                 |
| Ochicial USE             | Contactor                                |   |        |                                 |
|                          | Contactor                                |   | _      | 4.0                             |
| -                        |  | AC current  | Α      | 16                              |
| Short-circuit protection | n fuse, 600V                             |   |        |                                 |
|                          | High fault                               |   |        |                                 |
|                          | 3  | Short circuit current   | kA     | 100                             |
|                          |  | Fuse rating   | Α      | 30                              |
|                          |  |   |        |                                 |
|                          |  | Fuse class  |        |                                 |
|                          | Standard fault                           |   |        |                                 |
|                          |  | Short circuit current   | kA     | 5                               |
|                          |  | Fuse rating   | Α      | 30                              |
| Contact rating of auxili | ary contacts according to UL             | <del>_</del>  |        | A600 - Q600                     |
| Ambient conditions       |  |   |        |                                 |
|                          |  |   |        |                                 |
| Temperature              |  |   |        |                                 |
|                          | Operating temperature                    |   |        |                                 |
|                          |  | min   | °C     | -50                             |
|                          |  | max   | °C     | +70                             |
|                          | Storage temperature                      |   |        |                                 |
|                          | <b>5</b> 1                               | min   | °C     | -60                             |
|                          |  | max   | °C     | +80                             |
| Max altitud -            |  | IIIdX   |        |                                 |
| Max altitude             |  |   | m      | 3000                            |
| Resistance & Protection  | on                                       |   |        |                                 |
| Pollution degree         |  |   |        | 3                               |
| Dimensions               |  |   |        |                                 |
| 44 44                    |  | 11 44   |        |                                 |
| 4.4 (1.73") (0.17")      | 57                                       | (1.73") O <sup>N</sup> , (6)  | -      | 57                              |
| (0.17")                  | (2.24")                                  | 0 0 3   | (2.    | .24")                           |
| <b>****</b>              | 9  |   |        |                                 |
|                          | (28, 88)                                 | 066   | (2.28" |                                 |
|                          | (1.97°)<br>(1.97°)<br>(2.28°)<br>(2.28°) |   | (2)    |                                 |
|                          | 6  | (3.71°)<br>(3.71°)<br>(3.71°)<br>(4.5°)<br>(5.6°)<br>(6.6°)<br>(7.6°)<br>(7.6°)<br>(7.6°)<br>(8.6°)<br>(9.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1.6°)<br>(1 | . 6    |                                 |
| 8.5                      |  | 34.9  |        |                                 |
| (0.33") (0.38")          | - 34.9 -<br>(1.37")                      | (1.37") (0.12"  | )      | RF9                             |
| (0.33")                  |  |   | L _    |                                 |
| 8.5                      |  | 44  |        | 89.2<br>(3.51") -7.6<br>(0.30") |
| (0.33")                  |  | (1.73")   |        | (3.51")                         |
| Wiring diagrams          |  |   |        |                                 |





#### Certifications and 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