

# Product datasheet

Specifications



High power contactor, TeSys Giga, 3 pole (3NO), AC-3  $\leq 440\text{V}$  265A, standard version, 100...250V wide band AC/DC coil

LC1G265KUEN

EAN Code: 3606481921963

## Main

|                                |  |
|--------------------------------|--|
| Range                          | TeSys  |
| Range Of Product               | TeSys Giga   |
| Product Or Component Type      | Contactors   |
| Device Short Name              | LC1G   |
| Contactors Application         | Power switching<br>Motor control   |
| Utilisation Category           | AC-1<br>AC-3<br>AC-3e<br>AC-4<br>AC-5a<br>AC-5b<br>AC-6a<br>AC-6b<br>AC-8a<br>AC-8b<br>DC-1<br>DC-3<br>DC-5  |
| Poles Description              | 3P   |
| [Ue] Rated Operational Voltage | $\leq 1000\text{ V AC } 50/60\text{ Hz}$<br>$\leq 460\text{ V DC}$   |
| [Ie] Rated Operational Current | 385 A (at $<40\text{ }^\circ\text{C}$ ) at $\leq 1000\text{ V AC-1}$<br>265 A (at $<60\text{ }^\circ\text{C}$ ) at $\leq 400\text{ V AC-3}$  |
| [Uc] Control Circuit Voltage   | 100...250 V AC 50/60 Hz<br>100...250 V DC  |
| Control Circuit Voltage Limits | Operational: 0.8 U <sub>c</sub> Min...1.1 U <sub>c</sub> Max (at $<60\text{ }^\circ\text{C}$ )<br>Drop-out: 0.1 U <sub>c</sub> Max...0.45 U <sub>c</sub> Min (at $<60\text{ }^\circ\text{C}$ ) |

## Complementary

|   |   |
|---|---|
| [Uimp] Rated Impulse Withstand Voltage      | 8 kV  |
| Overvoltage Category                        | III   |
| [Ith] Conventional Free Air Thermal Current | 385 A (at $40\text{ }^\circ\text{C}$ )  |
| Rated Breaking Capacity                     | 2380 A at 440 V   |
| [Icw] Rated Short-Time Withstand Current    | 2.2 kA - 10 s<br>1.23 kA - 30 s<br>0.95 kA - 1 min<br>0.62 kA - 3 min<br>0.48 kA - 10 min                                 |
| Associated Fuse Rating                      | 315 A aM at $\leq 440\text{ V}$ for motor<br>250 A aM at $\leq 690\text{ V}$ for motor<br>400 A gG at $\leq 690\text{ V}$ |

|   |   |
|---|---|
| <b>Average Impedance</b>                              | 0.000144 Ohm  |
| <b>[Ui] Rated Insulation Voltage</b>                  | 1000 V  |
| <b>Power Dissipation Per Pole</b>                     | 20 W AC-1 - lth 385 A<br>11 W AC-3 - lth 265 A  |
| <b>Compatibility Code</b>                             | LC1G  |
| <b>Pole Contact Composition</b>                       | 3 NO  |
| <b>Auxiliary Contact Composition</b>                  | 1 NO + 1 NC   |
| <b>Motor Power Kw</b>                                 | 75 kW at 230 V AC 50/60 Hz (AC-3e)<br>132 kW at 400 V AC 50/60 Hz (AC-3e)<br>132 kW at 415 V AC 50/60 Hz (AC-3e)<br>160 kW at 440 V AC 50/60 Hz (AC-3e)<br>160 kW at 500 V AC 50/60 Hz (AC-3e)<br>200 kW at 690 V AC 50/60 Hz (AC-3e)<br>160 kW at 1000 V AC 50/60 Hz (AC-3e)<br>75 kW at 230 V AC 50/60 Hz (AC-3)<br>132 kW at 400 V AC 50/60 Hz (AC-3)<br>132 kW at 415 V AC 50/60 Hz (AC-3)<br>160 kW at 440 V AC 50/60 Hz (AC-3)<br>160 kW at 500 V AC 50/60 Hz (AC-3)<br>200 kW at 690 V AC 50/60 Hz (AC-3)<br>160 kW at 1000 V AC 50/60 Hz (AC-3)<br>75 kW at 230 V AC 50/60 Hz (AC-4)<br>132 kW at 400 V AC 50/60 Hz (AC-4)<br>132 kW at 415 V AC 50/60 Hz (AC-4)<br>150 kW at 440 V AC 50/60 Hz (AC-4)<br>160 kW at 500 V AC 50/60 Hz (AC-4)<br>160 kW at 690 V AC 50/60 Hz (AC-4)<br>160 kW at 1000 V AC 50/60 Hz (AC-4) |
| <b>Motor Power Hp</b>                                 | 75 hp at 200/208 V 60 Hz<br>100 hp at 230/240 V 60 Hz<br>200 hp at 460/480 V 60 Hz<br>200 hp at 575/600 V 60 Hz   |
| <b>Irms Rated Making Capacity</b>                     | 3320 A at 440 V   |
| <b>Coil Technology</b>                                | Built-in bidirectional peak limiting  |
| <b>Mechanical Durability</b>                          | 8 Mcycles   |
| <b>Inrush Power In Va (50/60 Hz, Ac)</b>              | 700 VA  |
| <b>Inrush Power In W (Dc)</b>                         | 645 W   |
| <b>Hold-In Power Consumption In Va (50/60 Hz, Ac)</b> | 15.0 VA   |
| <b>Hold-In Power Consumption In W (Dc)</b>            | 9.1 W   |
| <b>Operating Time</b>                                 | 40...70 ms closing<br>15...50 ms opening  |
| <b>Maximum Operating Rate</b>                         | 600 cyc/h AC-3<br>600 cyc/h AC-3e<br>300 cyc/h AC-1<br>150 cyc/h AC-4<br>AC-4   |
| <b>Connections - Terminals</b>                        | Power circuit: bar 2 - busbar cross section: 32 x 10 mm<br>Power circuit: lugs-ring terminals 1 185 mm <sup>2</sup><br>Power circuit: bolted connection<br>Control circuit: push-in 1 0.2...2.5 mm <sup>2</sup> - cable stiffness: solid stranded without cable end<br>Control circuit: push-in 1 0.25...2.5 mm <sup>2</sup> - cable stiffness: flexible with cable end<br>Control circuit: push-in 2 0.5...1.0 mm <sup>2</sup> with cable end<br>Control circuit: push-in 0.75...2.5 mm <sup>2</sup> - cable stiffness: solid stranded without cable end<br>Control circuit: push-in 0.75...2.5 mm <sup>2</sup> - cable stiffness: flexible with cable end   |
| <b>Connection Pitch</b>                               | 45 mm   |
| <b>Mounting Support</b>                               | Plate   |

|                               |  |
|-------------------------------|--|
| <b>Standards</b>              | EN/IEC 60947-4-1<br>EN/IEC 60947-5-1<br>UL 60947-4-1<br>CSA C22.2 No 60947-4-1<br>JIS C8201-4-1<br>JIS C8201-5-1 |
| <b>Product Certifications</b> | CB Scheme<br>CCC<br>cULus<br>EAC<br>CE<br>UKCA<br>EU-RO-MR by DNV-GL   |
| <b>Tightening Torque</b>      | 35 N.m   |
| <b>Height</b>                 | 225 mm   |
| <b>Width</b>                  | 140 mm   |
| <b>Depth</b>                  | 226 mm   |
| <b>Net Weight</b>             | 7.5 kg   |

## Environment

|  |  |
|--|--|
| <b>Ip Degree Of Protection</b>                               | IP2X front face with shrouds conforming to IEC 60529<br>IP2X front face with shrouds conforming to VDE 0106  |
| <b>Ambient Air Temperature For Operation</b>                 | -25...60 °C  |
| <b>Ambient Air Temperature For Storage</b>                   | -60...80 °C  |
| <b>Mechanical Robustness</b>                                 | Vibrations 5...300 Hz 2 gn contactor open<br>Vibrations 5...300 Hz 4 gn contactor closed<br>Shocks 10 gn 11 ms contactor open<br>Shocks 15 gn 11 ms contactor closed |
| <b>Colour</b>  | Dark grey  |
| <b>Protective Treatment</b>                                  | TH   |
| <b>Permissible Ambient Air Temperature Around The Device</b> | -40...70 °C at Uc  |

## Packing Units

|                                     |           |
|-------------------------------------|-----------|
| <b>Unit Type Of Package 1</b>       | PCE       |
| <b>Number Of Units In Package 1</b> | 1         |
| <b>Package 1 Height</b>             | 22.000 cm |
| <b>Package 1 Width</b>              | 31.000 cm |
| <b>Package 1 Length</b>             | 31.500 cm |
| <b>Package 1 Weight</b>             | 7.456 kg  |
| <b>Unit Type Of Package 2</b>       | P06       |
| <b>Number Of Units In Package 2</b> | 4         |
| <b>Package 2 Height</b>             | 75.000 cm |
| <b>Package 2 Width</b>              | 60.000 cm |
| <b>Package 2 Length</b>             | 80.000 cm |
| <b>Package 2 Weight</b>             | 39.850 kg |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| <b>Warranty</b> | 18 months |
|-----------------|-----------|

## Sustainability


**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.


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Transparency RoHS/REACH

## Well-being performance

 Mercury Free

 Rohs Exemption Information [Yes](#)

 Pvc Free

 Halogen Free Plastic Parts Product

## Certifications & Standards

**Reach Regulation** [REACH Declaration](#)

**Eu Rohs Directive** Compliant  
[EU RoHS Declaration](#)

**China Rohs Regulation** [China RoHS declaration](#)

**Environmental Disclosure** [Product Environmental Profile](#)

**Circularity Profile** [End of Life Information](#)

# Product datasheet LC1G265KUEN

## Installation

### Installation Videos

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[TeSys Giga - How to install the auxiliary contact block](#)

[TeSys Giga - How to install and remove remote wear diagnosis module](#)

[TeSys Giga - How to install mechanical interlock kit](#)

[TeSys Giga - How to install cable memory kit](#)

[TeSys Giga - How to directly mount LR9G overload relay](#)

[TeSys Giga - How to replace control module](#)

[TeSys Giga - How to replace switching modules](#)

[TeSys Giga - How to assemble reverser solution](#)

[TeSys Giga - How to assemble change-over solution](#)