# Product data sheet

Specifications

## Contactor, high power, TeSys Giga, standard version, 3 pole/NO, AC-3 <=440V 265A, 48-130VAC/DC coil

LC1G265EHEN

**Product availability: Stock - Normally stocked in distribution facility**

## Main

| | |
|---|---|
| **Range** | TeSys |
| **Range of Product** | TeSys Giga |
| **Product or Component Type** | Contactor |
| **Device short name** | LC1G |
| **Contactor 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-8b<br>AC-8a<br>DC-1<br>DC-3<br>DC-5 |
| **Poles description** | 3P |
| **[Ie] rated operational current** | 385 A (at <104 °F (40 °C)) at <= 1000 V AC-1<br>265 A (at <140 °F (60 °C)) at <= 440 V AC-3 |
| **[Uc] control circuit voltage** | 48...130 V AC 50/60 Hz<br>48...130 V DC |
| **Control circuit voltage limits** | Operational: 0.8 Uc Min...1.1 Uc Max (at <140 °F (60 °C))<br>Drop-out: 0.1 Uc Max...0.45 Uc Min (at <140 °F (60 °C)) |

## Complementary

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|---|---|
| **[Uimp] rated impulse withstand voltage** | 8 kV |
| **Overvoltage category** | III |
| **[Ith] conventional free air thermal current** | 385 A (at 104 °F (40 °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 <= 440 V for motor<br>250 A aM at <= 690 V for motor<br>400 A gG at <= 690 V |
| **Average impedance** | 0.000144 Ohm |
| **[Ui] rated insulation voltage** | 1000 V |

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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|---|---|
| **Power dissipation per pole** | 20 W AC-1 - Ith 385 A<br>11 W AC-3 - Ith 265 A |
| **Compatibility code** | LC1G |
| **Pole contact composition** | 3 NO |
| **Auxiliary contact composition** | 1 NO + 1 NC |
| **Motor power kW** | 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) |
| **Maximum Horse Power Rating** | 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 |
| **Irms rated making capacity** | 3320 A at 440 V |
| **Coil technology** | Built-in bidirectional peak limiting |
| **Safety reliability level** | B10d = 400000 cycles contactor with nominal load EN/ISO 13849-1<br>B10d = 3000000 cycles contactor with mechanical load EN/ISO 13849-1 |
| **Mechanical durability** | 8 Mcycles |
| **inrush power in VA (50/60 Hz, AC)** | 780 VA |
| **inrush power in W (DC)** | 695 W |
| **hold-in power consumption in VA (50/60 Hz, AC)** | 17.6 VA |
| **hold-in power consumption in W (DC)** | 7.8 W |
| **Operating time** | 40...70 ms closing<br>15...50 ms opening |
| **Maximum operating rate** | 600 cyc/h AC-3<br>600 cyc/h AC-3e<br>300 cyc/h AC-1<br>150 cyc/h AC-4 |
| **Connections - terminals** | Power circuit: bar 2 - busbar cross section: 32 x 10 mm<br>Power circuit: lugs-ring terminals 1 0.3 in² (185 mm²)<br>Power circuit: bolted connection<br>Control circuit: push-in 1 0.0003…0.004 in² (0.2…2.5 mm²) - cable stiffness: solid stranded without cable end<br>Control circuit: push-in 1 0.0004…0.004 in² (0.25…2.5 mm²) - cable stiffness: flexible with cable end<br>Control circuit: push-in 2 0.0008…0.002 in² (0.5…1.0 mm²) with cable end<br>Control circuit: push-in 0.001…0.004 in² (0.75…2.5 mm²) - cable stiffness: solid stranded without cable end<br>Control circuit: push-in 0.001…0.004 in² (0.75…2.5 mm²) - cable stiffness: flexible with cable end |
| **Connection pitch** | 1.8 in (45 mm) |
| **Mounting Support** | Plate |

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|---|---|
| **Standards** | 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<br>IEC 60335-1:Clause 30.2<br>IEC 60335-2-40:Annex JJ<br>UL 60335-1<br>UL 60335-2-40:Annex JJ |
| **Product Certifications** | CB Scheme<br>CCC<br>cULus<br>EAC<br>CE<br>UKCA<br>EU-RO-MR by DNV-GL |
| **Tightening torque** | 309.8 lbf.in (35 N.m) |
| **Height** | 8.9 in (225 mm) |
| **Width** | 5.5 in (140 mm) |
| **Depth** | 8.9 in (226 mm) |
| **Net Weight** | 15.4 lb(US) (7 kg) |

## Environment

| | |
|---|---|
| **IP degree of protection** | IP2X front face with shrouds IEC 60529<br>IP2X front face with shrouds VDE 0106 |
| **Ambient Air Temperature for Operation** | -13…140 °F (-25…60 °C) |
| **Ambient Air Temperature for Storage** | -76…176 °F (-60…80 °C) |
| **Mechanical robustness** | 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 |
| **color** | Dark grey |
| **Protective treatment** | TH |
| **Permissible ambient air temperature around the device** | -40…158 °F (-40…70 °C) at Uc |

## Ordering and shipping details

| | |
|---|---|
| **Category** | US10I1222329 |
| **Discount Schedule** | 0I12 |
| **GTIN** | 3606481921864 |
| **Returnability** | Yes |
| **Country of origin** | CN |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Nbr. of units in pkg.** | 1 |
| **Package 1 Height** | 12.20 in (31.000 cm) |
| **Package 1 Width** | 8.86 in (22.500 cm) |
| **Package 1 Length** | 12.40 in (31.500 cm) |
| **Package weight(Lbs)** | 16.486 lb(US) (7.478 kg) |

| | |
|---|---|
| **Unit Type of Package 2** | S06 |
| **Number of Units in Package 2** | 4 |
| **Package 2 Height** | 41.34 in (105.000 cm) |
| **Package 2 Width** | 23.62 in (60.000 cm) |
| **Package 2 Length** | 31.50 in (80.000 cm) |
| **Package 2 Weight** | 87.991 lb(US) (39.912 kg) |

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

### Environmental footprint

| | |
|---|---|
| Carbon footprint (kg CO2 eq, Total Life cycle) | **1158** |
| Environmental Disclosure | **Product Environmental Profile** |

## Use Better

### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | **Yes** |
| Packaging without single use plastic | **No** |
| EU RoHS Directive | **Compliant with Exemptions** |
| SCIP Number | **6fbdad13-bb7c-47d4-a6d6-d82dd6f54349** |
| REACh Regulation | **REACh Declaration** |
| California proposition 65 | **WARNING: This product can expose you to chemicals including: Styrene, which is known to the State of California to cause cancer, and Bisphenol A (BPA), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov** |
| Halogen content performance | **Halogen free plastic parts product** |
| PVC free | **Yes** |

## Use Again

### Repack and remanufacture

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|---|---|
| Circularity Profile | **End of Life Information** |
| Take-back | **No** |

Technical Illustration

## Assembly's dimensions