

# Product data sheet کلیک کنید

Specifications



Contactor, high power, TeSys Giga, standard version, 3 pole/NO, AC-3  $\leq$ 440V 115A, 100-250VAC/DC coil

LC1G115KUE

Product availability: Stock - Normally stocked in distribution facility

Price\*: 650.00 USD

## Main

Range	TeSys
Range Of Product	TeSys Giga
Product Or Component Type	Contactors
Device Short Name	LC1G
Contactors Application	Power switching Motor control
Utilisation Category	AC-1 AC-3 AC-3e AC-4 AC-5a AC-5b AC-6a AC-6b AC-8a AC-8b DC-1 DC-3 DC-5
Poles Description	3P
[Ue] Rated Operational Voltage	$\leq$ 1000 V AC 50/60 Hz $\leq$ 460 V DC
[Ie] Rated Operational Current	250 A (at $<104$ °F (40 °C)) at $\leq$ 1000 V AC-1 115 A (at $<140$ °F (60 °C)) at $\leq$ 440 V AC-3
[Uc] Control Circuit Voltage	100...250 V AC 50/60 Hz 100...250 V DC
Control Circuit Voltage Limits	Operational: 0.8 Uc Min...1.1 Uc Max (at $<140$ °F (60 °C)) Drop-out: 0.1 Uc Max...0.45 Uc Min (at $<140$ °F (60 °C))

## Complementary

[Uimp] Rated Impulse Withstand Voltage	8 kV
Overvoltage Category	III
[Ith] Conventional Free Air Thermal Current	250 A (at 104 °F (40 °C))
Rated Breaking Capacity	1040 A at 440 V
[Icw] Rated Short-Time Withstand Current	1.1 kA - 10 s 0.64 kA - 30 s 0.52 kA - 1 min 0.4 kA - 3 min 0.32 kA - 10 min

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

<b>Associated Fuse Rating</b>	125 A aM at <= 440 V for motor 125 A aM at <= 690 V for motor 315 A gG at <= 690 V
<b>Average Impedance</b>	0.00018 Ohm
<b>[Ui] Rated Insulation Voltage</b>	1000 V
<b>Power Dissipation Per Pole</b>	10 W AC-1 - lth 250 A 3 W AC-3 - lth 115 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>	30 kW at 230 V AC 50/60 Hz (AC-3e) 55 kW at 400 V AC 50/60 Hz (AC-3e) 55 kW at 415 V AC 50/60 Hz (AC-3e) 75 kW at 440 V AC 50/60 Hz (AC-3e) 75 kW at 500 V AC 50/60 Hz (AC-3e) 75 kW at 690 V AC 50/60 Hz (AC-3e) 30 kW at 230 V AC 50/60 Hz (AC-3) 55 kW at 400 V AC 50/60 Hz (AC-3) 55 kW at 415 V AC 50/60 Hz (AC-3) 75 kW at 440 V AC 50/60 Hz (AC-3) 75 kW at 500 V AC 50/60 Hz (AC-3) 75 kW at 690 V AC 50/60 Hz (AC-3) 30 kW at 230 V AC 50/60 Hz (AC-4) 55 kW at 400 V AC 50/60 Hz (AC-4) 55 kW at 415 V AC 50/60 Hz (AC-4) 65 kW at 440 V AC 50/60 Hz (AC-4) 65 kW at 500 V AC 50/60 Hz (AC-4) 75 kW at 690 V AC 50/60 Hz (AC-4)
<b>Maximum Horse Power Rating</b>	30 hp at 200/208 V 60 Hz 40 hp at 230/240 V 60 Hz 75 hp at 460/480 V 60 Hz 100 hp at 575/600 V 60 Hz
<b>Irms Rated Making Capacity</b>	1560 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>	540 VA
<b>Inrush Power In W (Dc)</b>	380 W
<b>Hold-In Power Consumption In Va (50/60 Hz, Ac)</b>	12.4 VA
<b>Hold-In Power Consumption In W (Dc)</b>	7.8 W
<b>Operating Time</b>	40...70 ms closing 15...50 ms opening
<b>Maximum Operating Rate</b>	600 cyc/h AC-3 600 cyc/h AC-3e 300 cyc/h AC-1 150 cyc/h AC-4
<b>Connections - Terminals</b>	Power circuit: bar 2 - busbar cross section: 25 x 6 mm Power circuit: lugs-ring terminals 1 0.29 in <sup>2</sup> (185 mm <sup>2</sup> ) Power circuit: bolted connection Control circuit: push-in 1 0.00...0.00 in <sup>2</sup> (0.2...2.5 mm <sup>2</sup> ) - cable stiffness: solid stranded without cable end Control circuit: push-in 1 0.00...0.00 in <sup>2</sup> (0.25...2.5 mm <sup>2</sup> ) - cable stiffness: flexible with cable end Control circuit: push-in 2 0.00...0.00 in <sup>2</sup> (0.5...1.0 mm <sup>2</sup> ) with cable end Control circuit: push-in 0.00...0.00 in <sup>2</sup> (0.75...2.5 mm <sup>2</sup> ) - cable stiffness: solid stranded without cable end Control circuit: push-in 0.00...0.00 in <sup>2</sup> (0.75...2.5 mm <sup>2</sup> ) - cable stiffness: flexible with cable end
<b>Connection Pitch</b>	1.38 in (35 mm)
<b>Mounting Support</b>	Plate

<b>Standards</b>	EN/IEC 60947-4-1 EN/IEC 60947-5-1 UL 60947-4-1 CSA C22.2 No 60947-4-1 JIS C8201-4-1 JIS C8201-5-1
<b>Product Certifications</b>	CB Scheme CCC cULus EAC CE UKCA EU-RO-MR by DNV-GL
<b>Tightening Torque</b>	159.31 lbf.in (18 N.m)
<b>Height</b>	7.60 in (193 mm)
<b>Width</b>	4.25 in (108 mm)
<b>Depth</b>	7.60 in (193 mm)
<b>Net Weight</b>	7.94 lb(US) (3.6 kg)

## Environment

<b>IP Degree Of Protection</b>	IP2X front face with shrouds IEC 60529 IP2X front face with shrouds VDE 0106
<b>Ambient Air Temperature For Operation</b>	-13...140 °F (-25...60 °C)
<b>Ambient Air Temperature For Storage</b>	-76...176 °F (-60...80 °C)
<b>Mechanical Robustness</b>	Vibrations 5...300 Hz 2 gn contactor open Vibrations 5...300 Hz 4 gn contactor closed Shocks 10 gn 11 ms contactor open Shocks 15 gn 11 ms contactor closed
<b>Color</b>	Dark grey
<b>Protective Treatment</b>	TH
<b>Permissible Ambient Air Temperature Around The Device</b>	-40...158 °F (-40...70 °C) at Uc

## Ordering and shipping details

<b>Category</b>	US10I1222329
<b>Discount Schedule</b>	0112
<b>Gtin</b>	3606481921925
<b>Returnability</b>	Yes
<b>Country Of Origin</b>	CN

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	9.65 in (24.5 cm)
<b>Package 1 Width</b>	9.06 in (23.0 cm)
<b>Package 1 Length</b>	15.16 in (38.5 cm)
<b>Package 1 Weight</b>	10.50 lb(US) (4.761 kg)
<b>Unit Type Of Package 2</b>	S06
<b>Number Of Units In Package 2</b>	6

---

<b>Package 2 Height</b>	29.53 in (75 cm)
<b>Package 2 Width</b>	23.62 in (60 cm)
<b>Package 2 Length</b>	31.50 in (80 cm)
<b>Package 2 Weight</b>	85.03 lb(US) (38.57 kg)

---

## 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.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



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 with Exemptions

China Rohs Regulation

[China RoHS declaration](#)

Environmental Disclosure

[Product Environmental Profile](#)

Circularity Profile

[End of Life Information](#)

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](http://www.P65Warnings.ca.gov)