

Product data sheet

Specifications



Contactor, high power, TeSys Giga, advanced version, AC-3, <= 440V, 150A, 3 pole/NO, 48-130VAC/DC coil

LC1G150EHEA

Product availability: Stock - Normally stocked in distribution facility

Price*: 850.00 USD

Main

Range	TeSys
Range Of Product	TeSys Giga
Product Or Component Type	Contactor
Device Short Name	LC1G
Contactor Application	Power switching Motor control
Utilisation Category	AC-1 AC-3 AC-3e AC-4 AC-5a AC-5b AC-6a AC-6b AC-8b AC-8a DC-1 DC-3 DC-5
Poles Description	3P
[Ue] Rated Operational Voltage	<= 1000 V AC 50/60 Hz <= 460 V DC
[Ie] Rated Operational Current	275 A (at <104 °F (40 °C)) at <= 1000 V AC-1 150 A (at <140 °F (60 °C)) at <= 440 V AC-3
[Uc] Control Circuit Voltage	48...130 V AC 50/60 Hz 48...130 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	275 A (at 104 °F (40 °C))
Rated Breaking Capacity	1280 A at 440 V
[Icw] Rated Short-Time Withstand Current	1.2 kA - 10 s 0.7 kA - 30 s 0.6 kA - 1 min 0.45 kA - 3 min 0.35 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.

Associated Fuse Rating	160 A aM at ≤ 440 V for motor 160 A aM at ≤ 690 V for motor 315 A gG at ≤ 690 V
Average Impedance	0.00018 Ohm
[Ui] Rated Insulation Voltage	1000 V
Power Dissipation Per Pole	10 W AC-1 - lth 275 A 5 W AC-3 - lth 150 A
Compatibility Code	LC1G
Pole Contact Composition	3 NO
Auxiliary Contact Composition	1 NO + 1 NC
Motor Power Kw	37 kW at 230 V AC 50/60 Hz (AC-3e) 75 kW at 400 V AC 50/60 Hz (AC-3e) 75 kW at 415 V AC 50/60 Hz (AC-3e) 90 kW at 440 V AC 50/60 Hz (AC-3e) 90 kW at 500 V AC 50/60 Hz (AC-3e) 90 kW at 690 V AC 50/60 Hz (AC-3e) 75 kW at 1000 V AC 50/60 Hz (AC-3e) 37 kW at 230 V AC 50/60 Hz (AC-3) 75 kW at 400 V AC 50/60 Hz (AC-3) 75 kW at 415 V AC 50/60 Hz (AC-3) 90 kW at 440 V AC 50/60 Hz (AC-3) 90 kW at 500 V AC 50/60 Hz (AC-3) 90 kW at 690 V AC 50/60 Hz (AC-3) 75 kW at 1000 V AC 50/60 Hz (AC-3) 37 kW at 230 V AC 50/60 Hz (AC-4) 75 kW at 400 V AC 50/60 Hz (AC-4) 75 kW at 415 V AC 50/60 Hz (AC-4) 80 kW at 440 V AC 50/60 Hz (AC-4) 90 kW at 500 V AC 50/60 Hz (AC-4) 90 kW at 690 V AC 50/60 Hz (AC-4) 75 kW at 1000 V AC 50/60 Hz (AC-4)
Maximum Horse Power Rating	40 hp at 200/208 V 60 Hz 50 hp at 230/240 V 60 Hz 100 hp at 460/480 V 60 Hz 125 hp at 575/600 V 60 Hz
Irms Rated Making Capacity	1890 A at 440 V
Coil Technology	Built-in bidirectional peak limiting
Mechanical Durability	8 Mcycles
Inrush Power In Va (50/60 Hz, Ac)	260 VA
Inrush Power In W (Dc)	190 W
Hold-In Power Consumption In Va (50/60 Hz, Ac)	8.9 VA
Hold-In Power Consumption In W (Dc)	5.0 W
Operating Time	40...70 ms closing 15...50 ms opening
Maximum Operating Rate	600 cyc/h AC-3 600 cyc/h AC-3e 300 cyc/h AC-1 150 cyc/h AC-4
Connections - Terminals	Power circuit: bar 2 - busbar cross section: 25 x 6 mm Power circuit: lugs-ring terminals 1 0.29 in ² (185 mm ²) Power circuit: bolted connection Control circuit: push-in 1 0.00...0.00 in ² (0.2...2.5 mm ²) - cable stiffness: solid stranded without cable end Control circuit: push-in 1 0.00...0.00 in ² (0.25...2.5 mm ²) - cable stiffness: flexible with cable end Control circuit: push-in 2 0.00...0.00 in ² (0.5...1.0 mm ²) with cable end Control circuit: push-in 0.00...0.00 in ² (0.75...2.5 mm ²) - cable stiffness: solid stranded without cable end Control circuit: push-in 0.00...0.00 in ² (0.75...2.5 mm ²) - cable stiffness: flexible with cable end

Connection Pitch	1.38 in (35 mm)
Mounting Support	Plate
Standards	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
Product Certifications	CB Scheme CCC cULus EAC CE UKCA EU-RO-MR by DNV-GL
Tightening Torque	159.31 lbf.in (18 N.m)
Height	10.04 in (255 mm)
Width	4.25 in (108 mm)
Depth	7.60 in (193 mm)
Net Weight	9.04 lb(US) (4.1 kg)

Environment

IP Degree Of Protection	IP2X front face with shrouds IEC 60529 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 Vibrations 5...300 Hz 4 gn contactor closed Shocks 10 gn 11 ms contactor open 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	22329-TESYS GIGA CONTACTORS
Discount Schedule	I12
Gtin	3606481922335
Returnability	Yes

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	9.06 in (23.0 cm)
Package 1 Width	9.84 in (25.0 cm)
Package 1 Length	14.96 in (38.0 cm)
Package 1 Weight	11.60 lb(US) (5.261 kg)
Unit Type Of Package 2	S06

Number Of Units In Package 2	6
Package 2 Height	29.53 in (75.0 cm)
Package 2 Width	23.62 in (60.0 cm)
Package 2 Length	31.50 in (80.0 cm)
Package 2 Weight	90.98 lb(US) (41.266 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-CO₂ 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