

# Product data sheet

Specifications



Contactor, high power, TeSys Giga, standard version, 3 pole/NO, AC-3 <math>\leq 440\text{V}</math> 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 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	$\leq 1000\text{ V AC } 50/60\text{ Hz}$ $\leq 460\text{ V DC}$
[Ie] rated operational current	385 A (at $<104\text{ }^\circ\text{F}$ ( $40\text{ }^\circ\text{C}$ )) at $\leq 1000\text{ V AC-1}$ 265 A (at $<140\text{ }^\circ\text{F}$ ( $60\text{ }^\circ\text{C}$ )) at $\leq 440\text{ V AC-3}$
[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 $<140\text{ }^\circ\text{F}$ ( $60\text{ }^\circ\text{C}$ )) Drop-out: 0.1 Uc Max...0.45 Uc Min (at $<140\text{ }^\circ\text{F}$ ( $60\text{ }^\circ\text{C}$ ))

## Complementary

[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal current	385 A (at $104\text{ }^\circ\text{F}$ ( $40\text{ }^\circ\text{C}$ ))
Rated breaking capacity	2380 A at 440 V
[Icw] rated short-time withstand current	2.2 kA - 10 s 1.23 kA - 30 s 0.95 kA - 1 min 0.62 kA - 3 min 0.48 kA - 10 min
Associated fuse rating	315 A aM at $\leq 440\text{ V}$ for motor 250 A aM at $\leq 690\text{ V}$ for motor 400 A gG at $\leq 690\text{ V}$

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

<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 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) 132 kW at 400 V AC 50/60 Hz (AC-3e) 132 kW at 415 V AC 50/60 Hz (AC-3e) 160 kW at 440 V AC 50/60 Hz (AC-3e) 160 kW at 500 V AC 50/60 Hz (AC-3e) 200 kW at 690 V AC 50/60 Hz (AC-3e) 160 kW at 1000 V AC 50/60 Hz (AC-3e) 75 kW at 230 V AC 50/60 Hz (AC-3) 132 kW at 400 V AC 50/60 Hz (AC-3) 132 kW at 415 V AC 50/60 Hz (AC-3) 160 kW at 440 V AC 50/60 Hz (AC-3) 160 kW at 500 V AC 50/60 Hz (AC-3) 200 kW at 690 V AC 50/60 Hz (AC-3) 160 kW at 1000 V AC 50/60 Hz (AC-3) 75 kW at 230 V AC 50/60 Hz (AC-4) 132 kW at 400 V AC 50/60 Hz (AC-4) 132 kW at 415 V AC 50/60 Hz (AC-4) 150 kW at 440 V AC 50/60 Hz (AC-4) 160 kW at 500 V AC 50/60 Hz (AC-4) 160 kW at 690 V AC 50/60 Hz (AC-4) 160 kW at 1000 V AC 50/60 Hz (AC-4)
<b>Maximum Horse Power Rating</b>	75 hp at 200/208 V 60 Hz 100 hp at 230/240 V 60 Hz 200 hp at 460/480 V 60 Hz 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>Safety reliability level</b>	B10d = 400000 cycles contactor with nominal load EN/ISO 13849-1 B10d = 3000000 cycles contactor with mechanical load EN/ISO 13849-1
<b>Mechanical durability</b>	8 Mcycles
<b>inrush power in VA (50/60 Hz, AC)</b>	780 VA
<b>inrush power in W (DC)</b>	695 W
<b>hold-in power consumption in VA (50/60 Hz, AC)</b>	17.6 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: 32 x 10 mm Power circuit: lugs-ring terminals 1 0.3 in <sup>2</sup> (185 mm <sup>2</sup> ) Power circuit: bolted connection Control circuit: push-in 1 0.0003...0.004 in <sup>2</sup> (0.2...2.5 mm <sup>2</sup> ) - cable stiffness: solid stranded without cable end Control circuit: push-in 1 0.0004...0.004 in <sup>2</sup> (0.25...2.5 mm <sup>2</sup> ) - cable stiffness: flexible with cable end Control circuit: push-in 2 0.0008...0.002 in <sup>2</sup> (0.5...1.0 mm <sup>2</sup> ) with cable end Control circuit: push-in 0.001...0.004 in <sup>2</sup> (0.75...2.5 mm <sup>2</sup> ) - cable stiffness: solid stranded without cable end Control circuit: push-in 0.001...0.004 in <sup>2</sup> (0.75...2.5 mm <sup>2</sup> ) - cable stiffness: flexible with cable end
<b>Connection pitch</b>	1.8 in (45 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 IEC 60335-1:Clause 30.2 IEC 60335-2-40:Annex JJ UL 60335-1 UL 60335-2-40:Annex JJ
<b>Product Certifications</b>	CB Scheme CCC cULus EAC CE UKCA EU-RO-MR by DNV-GL
<b>Tightening torque</b>	309.8 lbf.in (35 N.m)
<b>Height</b>	8.9 in (225 mm)
<b>Width</b>	5.5 in (140 mm)
<b>Depth</b>	8.9 in (226 mm)
<b>Net Weight</b>	15.4 lb(US) (7 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>	3606481921864
<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>	12.20 in (31.000 cm)
<b>Package 1 Width</b>	8.86 in (22.500 cm)
<b>Package 1 Length</b>	12.40 in (31.500 cm)

<b>Package 1 Weight</b>	16.486 lb(US) (7.478 kg)
<b>Unit Type of Package 2</b>	S06
<b>Number of Units in Package 2</b>	4
<b>Package 2 Height</b>	41.34 in (105.000 cm)
<b>Package 2 Width</b>	23.62 in (60.000 cm)
<b>Package 2 Length</b>	31.50 in (80.000 cm)
<b>Package 2 Weight</b>	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

[EU RoHS Directive](#) Compliant with Exemptions

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

Halogen content performance Halogen free plastic parts product

PVC free Yes

## Use Again

### Repack and remanufacture

Circularity Profile [End of Life Information](#)

Take-back No