Product data sheet

Specifications

Contactor, high power, TeSys Giga, advanced version, 3 pole/ NO, AC-3 <=440V 265A, 24-48VAC/DC coil

LC1G265BEEA

Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 1,570.00 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-8a AC-8b 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	385 A (at <104 °F (40 °C)) at <= 1000 V AC-1 265 A (at <140 °F (60 °C)) at <= 440 V AC-3
[Uc] Control Circuit Voltage	24...48 V AC 50/60 Hz 24...48 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	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 1.23 kA - 30 s 0.95 kA - 1 min 0.62 kA - 3 min 0.48 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	315 A aM at <= 440 V for motor 250 A aM at <= 690 V for motor 400 A gG at <= 690 V
Average Impedance	0.000144 Ohm
[Ui] Rated Insulation Voltage	1000 V
Power Dissipation Per Pole	20 W AC-1 - Ith 385 A 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) 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)
Maximum Horse Power Rating	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
Irms Rated Making Capacity	3320 A at 440 V
Coil Technology	Built-in bidirectional peak limiting
Mechanical Durability	8 Mcycles
Inrush Power In Va (50/60 Hz, Ac)	540 VA
Inrush Power In W (Dc)	380 W
Hold-In Power Consumption In Va (50/60 Hz, Ac)	17.9 VA
Hold-In Power Consumption In W (Dc)	6.4 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: 32 x 10 mm Power circuit: lugs-ring terminals 1 0.29 in² (185 mm²) Power circuit: bolted connection Control circuit: push-in 1 0.00…0.00 in² (0.2…2.5 mm²) - cable stiffness: solid stranded without cable end Control circuit: push-in 1 0.00…0.00 in² (0.25…2.5 mm²) - cable stiffness: flexible with cable end Control circuit: push-in 2 0.00…0.00 in² (0.5…1.0 mm²) with cable end Control circuit: push-in 0.00…0.00 in² (0.75…2.5 mm²) - cable stiffness: solid stranded without cable end Control circuit: push-in 0.00…0.00 in² (0.75…2.5 mm²) - cable stiffness: flexible with cable end

Connection Pitch	1.77 in (45 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	309.78 lbf.in (35 N.m)
Height	11.42 in (290 mm)
Width	5.51 in (140 mm)
Depth	8.90 in (226 mm)
Net Weight	18.08 lb(US) (8.2 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	US10I1222329
Discount Schedule	0I12
Gtin	3606481922267
Returnability	Yes
Country Of Origin	CN

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	8.86 in (22.5 cm)
Package 1 Width	12.20 in (31.0 cm)
Package 1 Length	14.37 in (36.5 cm)
Package 1 Weight	18.89 lb(US) (8.57 kg)

Unit Type Of Package 2	S06
Number Of Units In Package 2	4
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	97.62 lb(US) (44.28 kg)

Sustainability

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

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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