Product data sheet

Specifications





Contactor, high power, TeSys Giga, standard version, 3 pole/NO, AC-3 <=440V 225A, 100-250VAC/ DC coil

LC1G225KUEN

Product availability: Stock - Normally stocked in distribution facility

Price*: 1,155.00 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-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	
[le] Rated Operational Current	330 A (at <104 °F (40 °C)) at <= 1000 V AC-1 225 A (at <140 °F (60 °C)) at <= 440 V AC-3	
[Uc] Control Circuit Voltage	100250 V AC 50/60 Hz 100250 V DC	
Control Circuit Voltage Limits	Operational: 0.8 Uc Min1.1 Uc Max (at <140 °F (60 °C)) Drop-out: 0.1 Uc Max0.45 Uc Min (at <140 °F (60 °C))	

Complementary

[Uimp] Rated Impulse Withstand Voltage	8 kV	
Overvoltage Category	III	
[Ith] Conventional Free Air Thermal Current	330 A (at 104 °F (40 °C))	
Rated Breaking Capacity	2050 A at 440 V	
[Icw] Rated Short-Time Withstand Current	•	

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	250 A aM at <= 440 V for motor
	200 A aM at <= 690 V for motor 400 A gG at <= 690 V
Average Impedance	0.00015 Ohm
[Ui] Rated Insulation Voltage	1000 V
Power Dissipation Per Pole	20 W AC-1 - Ith 330 A
	8 W AC-3 - Ith 225 A
Compatibility Code	LC1G
Pole Contact Composition	3 NO
Auxiliary Contact Composition	1 NO + 1 NC
Motor Power Kw	55 kW at 230 V AC 50/60 Hz (AC-3e) 110 kW at 400 V AC 50/60 Hz (AC-3e) 110 kW at 415 V AC 50/60 Hz (AC-3e) 132 kW at 440 V AC 50/60 Hz (AC-3e) 132 kW at 500 V AC 50/60 Hz (AC-3e) 160 kW at 690 V AC 50/60 Hz (AC-3e)
	132 kW at 1000 V AC 50/60 Hz (AC-3e) 55 kW at 230 V AC 50/60 Hz (AC-3) 110 kW at 400 V AC 50/60 Hz (AC-3) 110 kW at 415 V AC 50/60 Hz (AC-3) 132 kW at 440 V AC 50/60 Hz (AC-3) 132 kW at 500 V AC 50/60 Hz (AC-3)
	160 kW at 690 V AC 50/60 Hz (AC-3) 132 kW at 1000 V AC 50/60 Hz (AC-3) 55 kW at 230 V AC 50/60 Hz (AC-4) 110 kW at 400 V AC 50/60 Hz (AC-4) 110 kW at 415 V AC 50/60 Hz (AC-4) 129 kW at 440 V AC 50/60 Hz (AC-4) 132 kW at 500 V AC 50/60 Hz (AC-4) 132 kW at 690 V AC 50/60 Hz (AC-4) 110 kW at 1000 V AC 50/60 Hz (AC-4)
Maximum Horse Power Rating	60 hp at 200/208 V 60 Hz 75 hp at 230/240 V 60 Hz 150 hp at 460/480 V 60 Hz 150 hp at 575/600 V 60 Hz
Irms Rated Making Capacity	2720 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)	12.4 VA
Hold-In Power Consumption In W	7.8 W
Operating Time	4070 ms closing 1550 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 in² (185 mm²) Power circuit: bolted connection Control circuit: push-in 1 0.000.00 in² (0.22.5 mm²) - cable stiffness: solid stranded without cable end Control circuit: push-in 1 0.000.00 in² (0.252.5 mm²) - cable stiffness: flexible with cable end Control circuit: push-in 2 0.000.00 in² (0.51.0 mm²) with cable end Control circuit: push-in 0.000.00 in² (0.752.5 mm²) - cable stiffness: solid stranded without cable end Control circuit: push-in 0.000.00 in² (0.752.5 mm²) - 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	7.60 in (193 mm)
Width	4.25 in (108 mm)
Depth	7.60 in (193 mm)
Net Weight	7.94 lb(US) (3.6 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	-13140 °F (-2560 °C)
Ambient Air Temperature For Storage	-76176 °F (-6080 °C)
Mechanical Robustness	Vibrations 5300 Hz 2 gn contactor open Vibrations 5300 Hz 4 gn contactor closed Shocks 10 gn 11 ms contactor open Shocks 15 gn 11 ms contactor closed
Color	Dark grey
Protective Treatment	тн
Permissible Ambient Air Temperature Around The Device	-40158 °F (-4070 °C) at Uc

Ordering and shipping details

Category	US10I1222329
Discount Schedule	0112
Gtin	3606481921956
Returnability	Yes
Country Of Origin	US

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	9.65 in (24.500 cm)
Package 1 Width	9.25 in (23.500 cm)
Package 1 Length	15.16 in (38.500 cm)
Package 1 Weight	10.57 lb(US) (4.794 kg)

Unit Type Of Package 2	P06
Number Of Units In Package 2	6
Package 2 Height	29.53 in (75.000 cm)
Package 2 Width	23.62 in (60.000 cm)
Package 2 Length	31.50 in (80.000 cm)
Package 2 Weight	85.21 lb(US) (38.650 kg)



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Transparency RoHS/REACh

Well-being performance

②	Mercury Free
②	Rohs Exemption Information Yes
②	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