Product datasheet

Specification





High power contactor, TeSys Giga, 4 pole (4NO), AC-1 <=440V 330A, standard version, 100...250V wide band AC/DC coil

LC1G2254KUEN

EAN Code: 3606481922151

Main

Range	TeSys
Range Of Product	TeSys Giga
Product Or Component Type	Contactor
Device Short Name	LC1G
Contactor Application	Power switching
Utilisation Category	AC-3 AC-3e AC-1 AC-5a AC-5b AC-6a AC-6b DC-1 DC-3 DC-5
Poles Description	4P
[Ue] Rated Operational Voltage	<= 1000 V AC 50/60 Hz <= 460 V DC
[le] Rated Operational Current	225 A (at <60 °C) at <= 440 V AC-3 330 A (at <40 °C) at <= 1000 V AC-1
[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 <60 °C) Drop-out: 0.1 Uc Max0.45 Uc Min (at <60 °C)

Complementary

[Uimp] Rated Impulse Withstand Voltage	8 kV
Overvoltage Category	III
[Ith] Conventional Free Air Thermal Current	330 A (at 40 °C)
Rated Breaking Capacity	2050 A at 440 V
[Icw] Rated Short-Time Withstand Current	1.8 kA - 10 s 1.0 kA - 30 s 0.85 kA - 1 min 0.56 kA - 3 min 0.44 kA - 10 min
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	4 NO
Auxiliary Contact Composition	1 NO + 1 NC
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 (Dc)	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
Connections - Terminals	Power circuit: bar 2 - busbar cross section: 25 x 6 mm Power circuit: lugs-ring terminals 1 185 mm² Control circuit: push-in 1 0.22.5 mm² - cable stiffness: solid stranded without cable end Control circuit: push-in 1 0.252.5 mm² - cable stiffness: flexible with cable end Control circuit: push-in 2 0.51.0 mm² with cable end Control circuit: push-in 0.752.5 mm² - cable stiffness: solid stranded without cable end Control circuit: push-in 0.752.5 mm² - cable stiffness: flexible with cable end
Connection Pitch	35 mm
Mounting Support	Plate
Mounting Support Standards	Plate 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
	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
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 CB Scheme CCC cULus EAC CE UKCA
Standards Product Certifications	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 CB Scheme CCC cULus EAC CE UKCA EU-RO-MR by DNV-GL
Product Certifications Tightening Torque	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 CB Scheme CCC cULus EAC CE UKCA EU-RO-MR by DNV-GL
Standards Product Certifications Tightening Torque Height	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 CB Scheme CCC cULus EAC CE UKCA EU-RO-MR by DNV-GL
Standards Product Certifications Tightening Torque Height Width Depth Net Weight	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 CB Scheme CCC cULus EAC CE UKCA EU-RO-MR by DNV-GL 18 N.m
Standards Product Certifications Tightening Torque Height Width Depth Net Weight Environment	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 CB Scheme CCC cULus EAC CE UKCA EU-RO-MR by DNV-GL 18 N.m 193 mm 143 mm 193 mm
Standards Product Certifications Tightening Torque Height Width Depth Net Weight	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 CB Scheme CCC cULus EAC CE UKCA EU-RO-MR by DNV-GL 18 N.m 193 mm
Standards Product Certifications Tightening Torque Height Width Depth Net Weight Environment	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 CB Scheme CCC cULus EAC CE UKCA EU-RO-MR by DNV-GL 18 N.m 193 mm 143 mm 193 mm 144 kg

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
Colour	Dark grey
Protective Treatment	ТН
Permissible Ambient Air Temperature Around The Device	-4070 °C at Uc

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	24.500 cm
Package 1 Width	27.000 cm
Package 1 Length	38.500 cm
Package 1 Weight	5.687 kg
Unit Type Of Package 2	S06
Number Of Units In Package 2	6
Package 2 Height	75.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	44.150 kg

Contractual warranty

Warranty 18 months



Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass 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

15 Jun 2024

Product datasheet

LC1G2254KUEN

Installation

Installation Videos

TeSys Giga - How to install the auxiliary contact block

TeSys Giga - How to install and remove remote wear diagnosis module

TeSys Giga - How to install mechanical interlock kit

TeSys Giga - How to install cable memory kit

TeSys Giga - How to replace control module

TeSys Giga - How to replace switching modules

TeSys Giga - How to assemble change-over solution