

LC1G6304KUEN

Contactor, high power, TeSys Giga 630, standard version, 4 pole/NO, AC-1 $\leq 440\text{ V}$ 1050A, 100-250VAC/DC coil



Main

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|--------------------------------|--|
| Range | TeSys |
| Range of Product | TeSys Giga |
| Product or Component Type | Contactor |
| Device short name | LC1G |
| Contactor application | Power switching |
| Utilisation category | AC-1 AC-5a AC-5b AC-6a AC-6b DC-1 DC-3 DC-5 |
| Poles description | 4P |
| [Ue] rated operational voltage | $\leq 1000\text{ V AC } 50/60\text{ Hz}$ $\leq 460\text{ V DC}$ |
| [Ie] rated operational current | 1050 A 104 °F (40 °C)) 1000 V AC-1 |
| [Uc] control circuit voltage | 100...250 V AC/DC 50/60 Hz |

Complementary

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|---|--|
| [Uimp] rated impulse withstand voltage | 8 kV |
| Overvoltage category | III |
| [Ith] conventional free air thermal current | 1050 A 104 °F (40 °C) |
| Rated breaking capacity | 5550 A 440 V |
| [Icw] rated short-time withstand current | 5.05 KA - 10 s 4.4 KA - 30 s 3.4 KA - 1 min 2.2 KA - 3 min 1.6 KA - 10 min |
| Associated fuse rating | 630 A aM 440 V 500 A aM 690 V 1250 A gG 690 V |
| Average impedance | 0.000065 Ohm |
| [Ui] rated insulation voltage | 1000 V |
| Power dissipation per pole | 70 W AC-1 - Ith 1050 A |
| Compatibility code | LC1G |
| Pole contact composition | 4 NO |
| Auxiliary contact composition | 1 NO + 1 NC |
| Network Frequency | 50/60 Hz 16.67...400 Hz |
| Irms rated making capacity | 7220 A 440 V |
| Control circuit voltage limits | Operational 0.8...1.1 Uc AC/DC 140 °F (60 °C)) Drop-out 0.1...0.45 Uc AC/DC 140 °F (60 °C)) |
| Coil technology | Built-in bidirectional peak limiting |
| Mechanical durability | 5 Mcycles 8 Mcycles with sub-assembly substitution |
| Inrush power in VA (50/60 Hz, AC) | 800 VA |
| Inrush power in W (DC) | 680 W |

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| Hold-in power consumption in VA (50/60 Hz, AC) | 15.0 VA |
| Hold-in power consumption in W (DC) | 9.5 W |
| Operating time | 45...60 ms closing 15...45 ms opening |
| Maximum operating rate | 300 cyc/h AC-1 |
| Connections - terminals | Power circuit bar 2 52 x 20 mm Power circuit lugs-ring terminals 1 0.29 in ² (185 mm ²) Control circuit push-in 1 0.00...0.00 in ² (0.2...2.5 mm ²) solid stranded without cable end Control circuit push-in 1 0.00...0.00 in ² (0.25...2.5 mm ²) 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) solid stranded without cable end Control circuit push-in 0.00...0.00 in ² (0.75...2.5 mm ²) flexible with cable end |
| Connection pitch | 2.76 in (70 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 | 513.34 lbf.in (58 N.m) |
| Height | 11.18 in (284 mm) |
| Width | 11.06 in (281 mm) |
| Depth | 10.47 in (266 mm) |
| Net Weight | 39.68 lb(US) (18 kg) |
| Color | Dark grey |

Environment

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| 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 |
| Protective treatment | TH |
| Permissible ambient air temperature around the device | -40...158 °F (-40...70 °C) at Uc |

Ordering and shipping details

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| Category | 22329-TESYS GIGA CONTACTORS |
| Discount Schedule | I12 |
| GTIN | 3606481922205 |
| Returnability | No |

Packing Units

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|------------------------------|------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 13.15 in (33.4 cm) |
| Package 1 Width | 14.33 in (36.4 cm) |
| Package 1 Length | 19.53 in (49.6 cm) |
| Package 1 Weight | 45.42 lb(US) (20.6 kg) |
| Unit Type of Package 2 | S06 |

| | |
|------------------------------|-------------------------|
| Number of Units in Package 2 | 2 |
| Package 2 Height | 28.94 in (73.5 cm) |
| Package 2 Width | 23.62 in (60.0 cm) |
| Package 2 Length | 31.50 in (80.0 cm) |
| Package 2 Weight | 125.00 lb(US) (56.7 kg) |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| 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 |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |
| PVC free | Yes |
| Halogen content performance | Halogen free plastic parts product |