# Product data sheet

Specifications

Green Premium™

## TeSys SK mini contactor - 3P (3 NO) - AC-3 - 690 V 9 A - 24 V AC coil

LC1SKGC310B7

Discontinued on: Jul 12, 2021

Discontinued

## Main

| | |
|---|---|
| **Range** | TeSys |
| **Product Name** | TeSys SK |
| **Product Or Component Type** | Mini contactor |
| **Device Short Name** | LC1SKGC |
| **Contactor Application** | Resistive load<br>Motor control |
| **Utilisation Category** | AC-1<br>AC-3 |
| **Power Pole Contact Composition** | 3P |
| **Pole Contact Composition** | 3 NO |
| **Auxiliary Contact Composition** | 1 NO |
| **[Ie] Rated Operational Current** | 20 A (at <122 °F (50 °C)) AC AC-1<br>9 A at <= 400 V AC AC-3 |
| **[Ue] Rated Operational Voltage** | Power circuit 690 V AC 50/60 Hz<br>Signalling circuit 690 V AC <= 400 Hz |

## Complementary

| | |
|---|---|
| **Control Circuit Type** | AC 50/60 Hz |
| **[Uc] Control Circuit Voltage** | 24 V AC 50/60 Hz |
| **Motor Power Kw** | 4 kW at 380...415 V AC 50/60 Hz<br>4 kW at 660...690 V AC 50/60 Hz<br>1.1 kW at 220...230 V AC 50/60 Hz |
| **[Ith] Conventional Free Air Thermal Current** | 20 A (at 131 °F (55 °C)) for power circuit<br>10 A (at 131 °F (55 °C)) for signalling circuit |
| **Irms Rated Making Capacity** | 85 A AC conforming to NF C 63-110<br>85 A AC conforming to IEC 60947 |
| **Rated Breaking Capacity** | 68 A at <= 400 V conforming to NF C 63-110<br>68 A at <= 400 V conforming to IEC 60947 |
| **[Icw] Rated Short-Time Withstand Current** | 60 A 131 °F (55 °C) for power circuit |
| **Associated Fuse Rating** | 20 A gI at <= 440 V for power circuit<br>10 A gI for signalling circuit conforming to IEC 60947<br>10 A gI for signalling circuit conforming to VDE 0660 |
| **Average Impedance** | 4 mOhm - Ith 20 A 50 Hz for power circuit |

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|---|---|
| **[Ui] Rated Insulation Voltage** | Power circuit 690 V BS 5424<br>Power circuit 690 V IEC 60947<br>Power circuit 690 V UL 508<br>Power circuit 690 V VDE 0110 group C<br>Power circuit 690 V CSA C22.2 No 14 |
| **Mounting Support** | Rail<br>Panel |
| **Standards** | EN/IEC 60947-4-1<br>UL 60947-4-1<br>CSA C22.2 No 60947-4-1 |
| **Product Certifications** | CB Scheme<br>CE<br>UKCA<br>EAC<br>cULus |
| **Connections - Terminals** | connector 1 0.00…0.01 in² (1.5…6 mm²)solid<br>connector 2 0.00…0.01 in² (1.5…4 mm²)solid<br>connector 1 0.00…0.01 in² (0.5…6 mm²)flexible without cable end<br>connector 2 0.00…0.00 in² (0.35…2.5 mm²)flexible without cable end<br>connector 1 0.00…0.01 in² (0.35…6 mm²)flexible with cable end<br>connector 2 0.00…0.00 in² (0.35…1.5 mm²)flexible with cable end |
| **Tightening Torque** | Power circuit 7.08 lbf.in (0.8 N.m) connector pozidriv No 1 |
| **Operating Time** | 6...8 ms coil de-energisation and NO opening<br>7...14 ms coil energisation and NO closing |
| **Mechanical Durability** | 10 Mcycles |
| **Maximum Operating Rate** | 1200 cyc/h |
| **Control Circuit Voltage Limits** | Operational: 0.85...1.1 Uc at 50/60 Hz (at <131 °F (55 °C))<br>Drop-out: 0.2...0.75 Uc at 50/60 Hz (at <131 °F (55 °C)) |
| **Inrush Power In Va** | 23 VA 50/60 Hz (at 68 °F (20 °C)) |
| **Hold-In Power Consumption In Va** | 4.9 VA 50/60 Hz (at 68 °F (20 °C)) |
| **Heat Dissipation** | 1.5 W 50/60 Hz |
| **Signalling Circuit Frequency** | <= 400 Hz |

# Environment

| | |
|---|---|
| **Ip Degree Of Protection** | IP2X VDE 0106 |
| **Protective Treatment** | TC IEC 60068<br>TC DIN 50015 |
| **Ambient Air Temperature For Operation** | -4…122 °F (-20…50 °C) |
| **Ambient Air Temperature For Storage** | -58…158 °F (-50…70 °C) |
| **Operating Altitude** | 6561.68 ft (2000 m) without derating |
| **Height** | 2.28 in (58 mm) |
| **Width** | 1.77 in (45 mm) |
| **Depth** | 2.20 in (56 mm) |
| **Net Weight** | 0.39 lb(US) (0.175 kg) |

# Ordering and shipping details

| | |
|---|---|
| **Category** | 18400-WORLD SERVICE PARTS(CONTACTORS) |
| **Discount Schedule** | CP10 |
| **Gtin** | 3389110563603 |
| **Returnability** | No |

## Packing Units

| | |
|---|---|
| **Unit Type Of Package 1** | PCE |
| **Number Of Units In Package 1** | 1 |
| **Package 1 Height** | 1.89 in (4.8 cm) |
| **Package 1 Width** | 2.48 in (6.3 cm) |
| **Package 1 Length** | 2.36 in (6 cm) |
| **Package 1 Weight** | 5.75 oz (163 g) |

## Contractual warranty

| | |
|---|---|
| **Warranty** | 18 months |

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-$CO_2$ 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

| | |
|---|---|
| Reach Free Of Svhc | |
| Mercury Free | |
| Rohs Exemption Information | Yes |

## Certifications & Standards

| | |
|---|---|
| **Eu Rohs Directive** | Compliant<br>EU RoHS Declaration |
| **China Rohs Regulation** | China RoHS declaration<br>Product out of China RoHS scope. Substance declaration for your information. |
| **Environmental Disclosure** | Product Environmental Profile |
| **Weee** | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |