Product datasheet

Specifications





TeSys SK mini contactor - 2P (2 NO) - AC-3 - 690 V 5 A - 48 V AC coil

LC1SKGC200E7

Main

| Range | TeSys |
|--------------------------------|---|
| Product Name | TeSys SK |
| Product Or Component Type | Mini contactor |
| Device Short Name | LC1SKGC |
| Contactor Application | Resistive load Motor control |
| Utilisation Category | AC-1 AC-3 |
| Power Pole Contact Composition | 2P |
| Pole Contact Composition | 2 NO |
| [le] Rated Operational Current | 5 A at <= 400 V AC AC-3 20 A (at <50 °C) AC AC-1 |
| [Ue] Rated Operational Voltage | Power circuit: 690 V AC 50/60 Hz |

Complementary

| Control Circuit Type | AC at 50/60 Hz |
|--|--|
| [Uc] Control Circuit Voltage | 48 V AC 50/60 Hz |
| [Ith] Conventional Free Air Thermal Current | 20 A (at 55 °C) for power circuit |
| Irms Rated Making Capacity | 50 A AC conforming to NF C 63-110 50 A AC conforming to IEC 60947 |
| Rated Breaking Capacity | 40 A at <= 400 V conforming to NF C 63-110 40 A at <= 400 V conforming to IEC 60947 |
| [Icw] Rated Short-Time Withstand Current | 40 A 55 °C for power circuit |
| Associated Fuse Rating | 20 A gl at <= 440 V for power circuit |
| Average Impedance | 4 mOhm - Ith 20 A 50 Hz for power circuit |
| [Ui] Rated Insulation Voltage | Power circuit: 690 V conforming to BS 5424 Power circuit: 690 V conforming to IEC 60947 Power circuit: 690 V conforming to UL 508 Power circuit: 690 V conforming to VDE 0110 group C Power circuit: 690 V conforming to CSA C22.2 No 14 |
| Mounting Support | Rail |
| Standards | EN/IEC 60947-4-1 UL 60947-4-1 CSA C22.2 No 60947-4-1 |

| Product Certifications | CB Scheme CE UKCA EAC cULus |
|---------------------------------|--|
| Connections - Terminals | Connector 1 cable(s) 1.56 mm²solid Connector 2 cable(s) 1.54 mm²solid Connector 1 cable(s) 0.56 mm²flexible without cable end Connector 2 cable(s) 0.352.5 mm²flexible without cable end Connector 1 cable(s) 0.356 mm²flexible with cable end Connector 2 cable(s) 0.351.5 mm²flexible with cable end |
| Tightening Torque | Power circuit: 0.8 N.m - on connector - with screwdriver pozidriv No 1 |
| Operating Time | 68 ms coil de-energisation and NO opening 714 ms coil energisation and NO closing |
| Mechanical Durability | 10 Mcycles |
| Maximum Operating Rate | 1200 cyc/h |
| Control Circuit Voltage Limits | Operational: 0.851.1 Uc at 50/60 Hz (at <55 °C) Drop-out: 0.20.75 Uc at 50/60 Hz (at <55 °C) |
| Inrush Power In Va | 16 VA 50/60 Hz (at 20 °C) |
| Hold-In Power Consumption In Va | 4.2 VA 50/60 Hz (at 20 °C) |
| Heat Dissipation | 1.4 W at 50/60 Hz |

Environment

| Ip Degree Of Protection | IP2X conforming to VDE 0106 |
|---------------------------------------|---|
| Protective Treatment | TC conforming to IEC 60068 TC conforming to DIN 50015 |
| Ambient Air Temperature For Operation | -2050 °C |
| Ambient Air Temperature For Storage | -5070 °C |
| Operating Altitude | 2000 m without derating |
| Height | 56 mm |
| Width | 27 mm |
| Depth | 55.5 mm |
| Net Weight | 0.132 kg |

Packing Units

| Unit Type Of Package 1 | PCE |
|------------------------------|-----------|
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 3.500 cm |
| Package 1 Width | 6.000 cm |
| Package 1 Length | 7.000 cm |
| Package 1 Weight | 121.000 g |
| Unit Type Of Package 2 | S01 |
| Number Of Units In Package 2 | 40 |
| Package 2 Height | 15.000 cm |
| Package 2 Width | 15.000 cm |
| Package 2 Length | 40.000 cm |
| Package 2 Weight | 5.003 kg |

| Unit Type Of Package 3 | P06 |
|------------------------------|------------|
| Number Of Units In Package 3 | 1280 |
| Package 3 Height | 75.000 cm |
| Package 3 Width | 80.000 cm |
| Package 3 Length | 60.000 cm |
| Package 3 Weight | 168.096 kg |

Contractual warranty

Warranty 12 months

Sustainability Green Premium

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

Certifications & Standards

| Reach Regulation | REACh Declaration |
|--------------------------|---|
| Eu Rohs Directive | Compliant with Exemptions |
| China Rohs Regulation | China RoHS declaration 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 |
| Circularity Profile | End of Life Information |