Product data sheet

Specifications





TeSys SK mini contactor - 3P (3 NO) - AC-3 - 690 V 9 A - 380 V AC coil

LC1SKGC301Q7

! 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 | Motor control Resistive load |
| Utilisation Category | AC-3 AC-1 |
| Power Pole Contact Composition | 3P |
| Pole Contact Composition | 3 NO |
| Auxiliary Contact Composition | 1 NC |
| [le] Rated Operational Current | 20 A (at <122 °F (50 °C)) AC AC-1 9 A at <= 400 V AC AC-3 |
| [Ue] Rated Operational Voltage | Power circuit 690 V AC 50/60 Hz Signalling circuit 690 V AC <= 400 Hz |

Complementary

| Control Circuit Type | AC 50/60 Hz |
|--|--|
| [Uc] Control Circuit Voltage | 380 V AC 50/60 Hz |
| Motor Power Kw | 4 kW at 380415 V AC 50/60 Hz 4 kW at 660690 V AC 50/60 Hz 1.1 kW at 220230 V AC 50/60 Hz |
| [Ith] Conventional Free Air Thermal Current | 20 A (at 131 °F (55 °C)) for power circuit 10 A (at 131 °F (55 °C)) for signalling circuit |
| Irms Rated Making Capacity | 85 A AC conforming to NF C 63-110 85 A AC conforming to IEC 60947 |
| Rated Breaking Capacity | 68 A at <= 400 V conforming to NF C 63-110 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 10 A gI for signalling circuit conforming to IEC 60947 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.

| [Ui] Rated Insulation Voltage | Power circuit 690 V BS 5424 Power circuit 690 V IEC 60947 Power circuit 690 V UL 508 Power circuit 690 V VDE 0110 group C Power circuit 690 V CSA C22.2 No 14 |
|---------------------------------|--|
| Mounting Support | Panel 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 0.000.01 in² (1.56 mm²)solid connector 2 0.000.01 in² (1.54 mm²)solid connector 1 0.000.01 in² (0.56 mm²)flexible without cable end connector 2 0.000.00 in² (0.352.5 mm²)flexible without cable end connector 1 0.000.01 in² (0.356 mm²)flexible with cable end connector 2 0.000.00 in² (0.351.5 mm²)flexible with cable end |
| Tightening Torque | Power circuit 7.08 lbf.in (0.8 N.m) connector pozidriv No 1 |
| Operating Time | 68 ms coil de-energisation and NO opening 714 ms coil energisation and NO closing 816 ms coil energisation and NC opening 810 ms coil de-energisation and NC 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 <131 °F (55 °C)) Drop-out: 0.20.75 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 TC DIN 50015 |
| Ambient Air Temperature For Operation | -4122 °F (-2050 °C) |
| Ambient Air Temperature For Storage | -58158 °F (-5070 °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 | 3389110563573 |

Returnability No

Packing Units

| Unit Type Of Package 1 | PCE |
|------------------------------|------------------|
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 2.52 in (6.4 cm) |
| Package 1 Width | 2.36 in (6 cm) |
| Package 1 Length | 1.89 in (4.8 cm) |
| Package 1 Weight | 6.17 oz (175 g) |

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

Reach Free Of Svhc

Mercury Free

Rohs Exemption Information

Yes

Certifications & Standards

| Eu Rohs Directive | Compliant |
|--------------------------|--|
| | EU RoHS Declaration |
| 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. |