# Product data sheet

Specifications

## Mini contactor, TeSys SK, 2P(2NO), AC-3, 690V 6A, 240V AC coil

LC1SK0600U7

**Product availability: Non-Stock - Not normally stocked in distribution facility**

## Main

| | |
|---|---|
| **Range** | TeSys |
| **Product name** | TeSys SK |
| **Product or Component Type** | Mini contactor |
| **Device short name** | LC1SK |
| **Contactor application** | Motor control<br>Resistive load |
| **Utilisation category** | AC-1<br>AC-3 |
| **power pole contact composition** | 2P |
| **Pole contact composition** | 2 NO |
| **[Ie] rated operational current** | 6 A at <= 440 V AC AC-3<br>12 A (at <131 °F (55 °C)) AC AC-1 |
| **[Ue] rated operational voltage** | Power circuit 690 V AC 50/60 Hz |

## Complementary

| | |
|---|---|
| **Control circuit type** | AC 50/60 Hz |
| **[Uc] control circuit voltage** | 240 V AC 50/60 Hz |
| **[Ith] conventional free air thermal current** | 12 A (at 131 °F (55 °C)) for power circuit |
| **Irms rated making capacity** | 66 A at 690 V AC conforming to IEC 60947<br>66 A at 690 V AC conforming to NF C 63-110 |
| **Rated breaking capacity** | 52 A at <= 400 V for power circuit conforming to NF C 63-110<br>52 A at <= 400 V for power circuit conforming to IEC 60947 |
| **[Icw] rated short-time withstand current** | 50 A 131 °F (55 °C) for power circuit |
| **Associated fuse rating** | 16 A gI at <= 440 V for power circuit conforming to IEC 60947 |
| **Average impedance** | 4 mOhm - Ith 12 A 50 Hz |
| **[Ui] rated insulation voltage** | 690 V IEC 60947<br>690 V VDE 0110 group C<br>690 V BS 5424<br>690 V UL 508<br>690 V CSA C22.2 No 14 |
| **Mounting Support** | Rail |
| **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 |

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

| | |
|---|---|
| **Connections - terminals** | Power circuit connector 1 0.0005…0.009 in² (0.35…6 mm²)flexible with cable end<br>Power circuit connector 1 0.0008…0.009 in² (0.5…6 mm²)flexible without cable end<br>Power circuit connector 1 0.002…0.009 in² (1.5…6 mm²)solid<br>Power circuit connector 2 0.0005…0.002 in² (0.35…1.5 mm²)flexible with cable end<br>Power circuit connector 2 0.0005…0.004 in² (0.35…2.5 mm²)flexible without cable end<br>Power circuit connector 2 0.002…0.006 in² (1.5…4 mm²)solid |
| **Tightening torque** | 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 <122 °F (50 °C))<br>Drop-out: 0.2...0.75 Uc (at <122 °F (50 °C)) |
| **Inrush power in VA** | 16 VA (at 68 °F (20 °C)) |
| **Hold-in power consumption in VA** | 4.2 VA (at 68 °F (20 °C)) |
| **Heat dissipation** | 1.4 W 50/60 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** | 2.2 in (56 mm) |
| **Width** | 1.06 in (27 mm) |
| **Depth** | 2.2 in (55.5 mm) |
| **Net Weight** | 0.291 lb(US) (0.132 kg) |

## Ordering and shipping details

| | |
|---|---|
| **Category** | US10I1222326 |
| **Discount Schedule** | 0I12 |
| **GTIN** | 3389110563917 |
| **Returnability** | No |
| **Country of origin** | CZ |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Nbr. of units in pkg.** | 1 |
| **Package 1 Height** | 1.299 in (3.300 cm) |
| **Package 1 Width** | 2.323 in (5.900 cm) |
| **Package 1 Length** | 2.717 in (6.900 cm) |
| **Package weight(Lbs)** | 4.515 oz (128.000 g) |

## Contractual warranty

| | |
|---|---|
| **Warranty (in months)** | 18 |

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

### Environmental footprint

| | |
|---|---|
| Carbon footprint (kg CO2 eq, Total Life cycle) | 53 |
| Environmental Disclosure | Product Environmental Profile |

## Use Better

### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | Yes |
| EU RoHS Directive | Compliant with Exemptions |
| SCIP Number | C39a7e5e-6a28-4540-b3bb-b5a727bdce6a |
| REACh Regulation | REACh Declaration |

## Use Longer

### Lifetime extension

| | |
|---|---|
| Repair | No |

## Use Again

### Repack and remanufacture

| | |
|---|---|
| Circularity Profile | End of Life Information |
| Take-back | No |
| WEEE Label | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |