



## Main

|                                |  |
|--------------------------------|--|
| Range                          | TeSys  |
| Product name                   | TeSys SK   |
| Product or Component Type      | Mini contactor   |
| Device short name              | LC1SKGC  |
| 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 | 5 A at <= 400 V AC AC-3<br>20 A (at <122 °F (50 °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                | 220 V AC 50/60 Hz   |
| [Ith] conventional free air thermal current | 20 A (at 131 °F (55 °C)) for power circuit  |
| Irms rated making capacity                  | 50 A AC conforming to NF C 63-110<br>50 A AC conforming to IEC 60947  |
| Rated breaking capacity                     | 40 A at <= 400 V conforming to NF C 63-110<br>40 A at <= 400 V conforming to IEC 60947  |
| [Icw] rated short-time withstand current    | 40 A 131 °F (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 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  |
| Standards                                   | EN/IEC 60947-4-1<br>UL 60947-4-1<br>CSA C22.2 No 60947-4-1  |
| Product Certifications                      | CB Scheme[RETURN]CE[RETURN]UKCA[RETURN]EAC[RETURN]cULus   |
| Connections - terminals                     | Connector 1 0.002...0.009 in <sup>2</sup> (1.5...6 mm <sup>2</sup> )solid<br>Connector 2 0.002...0.006 in <sup>2</sup> (1.5...4 mm <sup>2</sup> )solid<br>Connector 1 0.0008...0.009 in <sup>2</sup> (0.5...6 mm <sup>2</sup> )flexible without cable end<br>Connector 2 0.0005...0.004 in <sup>2</sup> (0.35...2.5 mm <sup>2</sup> )flexible without cable end<br>Connector 1 0.0005...0.009 in <sup>2</sup> (0.35...6 mm <sup>2</sup> )flexible with cable end<br>Connector 2 0.0005...0.002 in <sup>2</sup> (0.35...1.5 mm <sup>2</sup> )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))   |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

|                                 |                                    |
|---------------------------------|------------------------------------|
| Inrush power in VA              | 16 VA 50/60 Hz (at 68 °F (20 °C))  |
| Hold-in power consumption in VA | 4.2 VA 50/60 Hz (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              | 3389110563047 |
| Returnability     | No            |
| Country of origin | CZ            |

## Packing Units

|                              |                             |
|------------------------------|-----------------------------|
| Unit Type of Package 1       | PCE                         |
| Number of Units in Package 1 | 1                           |
| Package 1 Height             | 1.260 in (3.200 cm)         |
| Package 1 Width              | 2.362 in (6.000 cm)         |
| Package 1 Length             | 2.677 in (6.800 cm)         |
| Package 1 Weight             | 4.293 oz (121.700 g)        |
| Unit Type of Package 2       | S01                         |
| Number of Units in Package 2 | 40                          |
| Package 2 Height             | 5.906 in (15.000 cm)        |
| Package 2 Width              | 5.906 in (15.000 cm)        |
| Package 2 Length             | 15.748 in (40.000 cm)       |
| Package 2 Weight             | 11.171 lb(US) (5.067 kg)    |
| Unit Type of Package 3       | P06                         |
| Number of Units in Package 3 | 1280                        |
| Package 3 Height             | 29.528 in (75.000 cm)       |
| Package 3 Width              | 31.496 in (80.000 cm)       |
| Package 3 Length             | 23.622 in (60.000 cm)       |
| Package 3 Weight             | 375.082 lb(US) (170.134 kg) |

## Offer Sustainability

|                            |  |
|----------------------------|--|
| Sustainable offer status   | Green Premium product  |
| REACH Regulation           | <a href="#">REACH Declaration</a>  |
| EU RoHS Directive          | Compliant with Exemptions  |
| Mercury free               | Yes  |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>   |
| RoHS exemption information | <a href="#">Yes</a>  |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>  |
| Circularity Profile        | <a href="#">End Of Life Information</a>  |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

## Contractual warranty

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| Warranty | 18 months |
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