



## 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 <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                | 220 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<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 55 °C for power circuit  |
| Associated fuse rating                      | 20 A gI 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<br>Power circuit: 690 V conforming to IEC 60947<br>Power circuit: 690 V conforming to UL 508<br>Power circuit: 690 V conforming to VDE 0110 group C<br>Power circuit: 690 V conforming to CSA C22.2 No 14  |
| Mounting support                            | Rail  |
| Standards                                   | NF C 63-110<br>BS 5424<br>VDE 0660<br>IEC 60947   |
| Product certifications                      | cULus   |
| Connections - terminals                     | Connector 1 cable(s) 1.5...6 mm <sup>2</sup> solid<br>Connector 2 cable(s) 1.5...4 mm <sup>2</sup> solid<br>Connector 1 cable(s) 0.5...6 mm <sup>2</sup> flexible without cable end<br>Connector 2 cable(s) 0.35...2.5 mm <sup>2</sup> flexible without cable end<br>Connector 1 cable(s) 0.35...6 mm <sup>2</sup> flexible with cable end<br>Connector 2 cable(s) 0.35...1.5 mm <sup>2</sup> flexible with cable end |
| Tightening torque                           | Power circuit: 0.8 N.m - on connector - with screwdriver 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 U <sub>c</sub> at 50/60 Hz (at <55 °C)<br>Drop-out: 0.2...0.75 U <sub>c</sub> at 50/60 Hz (at <55 °C)   |

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|                                 |                            |
|---------------------------------|----------------------------|
| 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<br>TC conforming to DIN 50015 |
| Ambient air temperature for operation | -20...50 °C  |
| Ambient air temperature for storage   | -50...70 °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             | 3.2 cm   |
| Package 1 Width              | 6.0 cm   |
| Package 1 Length             | 6.8 cm   |
| Package 1 Weight             | 121.7 g  |
| Unit Type of Package 2       | S01      |
| Number of Units in Package 2 | 40       |
| Package 2 Height             | 15.0 cm  |
| Package 2 Width              | 15.0 cm  |
| Package 2 Length             | 40.0 cm  |
| Package 2 Weight             | 5.067 kg |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| REACH Regulation           | <a href="#">REACH Declaration</a>   |
| EU RoHS Directive          | Compliant <a href="#">EU RoHS Declaration</a>   |
| 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

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