



ⓘ Discontinued

LC1SKGC310G7 has not been replaced. Please contact your customer care center for more information.

## Main

|   |  |
|---|--|
| Range                                       | TeSys  |
| Product name                                | TeSys SK   |
| Product or component type                   | Mini contactor   |
| Device short name                           | LC1SKGC  |
| Contacteur application                      | Motor control<br>Resistive load  |
| Utilisation category                        | AC-3<br>AC-1   |
| Power pole contact composition              | 3P   |
| Pole contact composition                    | 3 NO   |
| [Ue] rated operational voltage              | Power circuit: 690 V AC 50/60 Hz<br>Signalling circuit: 690 V AC ≤ 400 Hz  |
| [Ie] rated operational current              | 20 A (at <50 °C) AC AC-1<br>9 A at ≤ 400 V AC AC-3   |
| Motor power kW                              | 4 kW at 380...415 V AC 50/60 Hz<br>4 kW at 660...690 V AC 50/60 Hz<br>1.1 kW at 220...230 V AC 50/60 Hz  |
| Control circuit type                        | AC at 50/60 Hz   |
| [Uc] control circuit voltage                | 120 V AC 50/60 Hz  |
| Auxiliary contact composition               | 1 NO   |
| [Ith] conventional free air thermal current | 20 A (at 55 °C) for power circuit<br>10 A (at 55 °C) for signalling circuit  |
| Irms rated making capacity                  | 85 A AC conforming to NF C 63-110<br>85 A AC conforming to IEC 60947   |
| Rated breaking capacity                     | 68 A at ≤ 400 V conforming to NF C 63-110<br>68 A at ≤ 400 V conforming to IEC 60947   |
| [Icw] rated short-time withstand current    | 60 A 55 °C for power circuit   |
| Associated fuse rating                      | 20 A gI at ≤ 440 V for power circuit<br>10 A gI for signalling circuit conforming to IEC 60947<br>10 A gI for signalling circuit conforming to VDE 0660  |
| 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   |

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

|                         | Panel   |
|-------------------------|---|
| Standards               | NF C 63-110<br>IEC 60947<br>BS 5424<br>VDE 0660   |
| 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  |

### Complementary

|                                 |   |
|---------------------------------|---|
| 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) |
| Inrush power in VA              | 23 VA 50/60 Hz (at 20 °C)   |
| Hold-in power consumption in VA | 4.9 VA 50/60 Hz (at 20 °C)  |
| Heat dissipation                | 1.5 W at 50/60 Hz   |
| Signalling circuit frequency    | <= 400 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   |
| Height                                | 58 mm  |
| Width                                 | 45 mm  |
| Depth                                 | 56 mm  |
| Net weight                            | 0.175 kg   |

### Contractual warranty

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