



Main

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| Range | TeSys |
| Product name | TeSys SK |
| Product or component type | Mini contactor |
| Device short name | LC1SKGC |
| Contactor application | Resistive load Motor control |
| Utilisation category | AC-1 AC-3 |
| Power pole contact composition | 3P |
| Pole contact composition | 3 NO |
| Auxiliary contact composition | 1 NO |
| [Ie] rated operational current | 20 A (at <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

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|---|---|
| Control circuit type | AC at 50/60 Hz |
| [Uc] control circuit voltage | 220 V AC 50/60 Hz |
| Motor power kW | 4 kW at 380...415 V AC 50/60 Hz 4 kW at 660...690 V AC 50/60 Hz 1.1 kW at 220...230 V AC 50/60 Hz |
| [Ith] conventional free air thermal current | 20 A (at 55 °C) for power circuit 10 A (at 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 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 |
| [Ui] rated insulation voltage | Power circuit: 690 V conforming to BS 5424 Power circuit: 690 V conforming to IEC 60947 Power circuit: 690 V conforming to UL 508 Power circuit: 690 V conforming to VDE 0110 group C Power circuit: 690 V conforming to CSA C22.2 No 14 |
| Mounting support | Rail Panel |
| Standards | EN/IEC 60947-4-1 UL 60947-4-1 CSA C22.2 No 60947-4-1 |
| Product certifications | CB Scheme[RETURN]CE[RETURN]UKCA[RETURN]EAC[RETURN]cULus |
| Connections - terminals | Connector 1 cable(s) 1.5...6 mm ² solid Connector 2 cable(s) 1.5...4 mm ² solid Connector 1 cable(s) 0.5...6 mm ² flexible without cable end Connector 2 cable(s) 0.35...2.5 mm ² flexible without cable end Connector 1 cable(s) 0.35...6 mm ² flexible with cable end Connector 2 cable(s) 0.35...1.5 mm ² flexible with cable end |

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| 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 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 <55 °C) Drop-out: 0.2...0.75 Uc 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

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| IP degree of protection | IP2X conforming to VDE 0106 |
| Protective treatment | TC conforming to IEC 60068 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 | 58 mm |
| Width | 45 mm |
| Depth | 56 mm |
| Net weight | 0.175 kg |

Packing Units

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| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 4.8 cm |
| Package 1 Width | 6.0 cm |
| Package 1 Length | 6.5 cm |
| Package 1 Weight | 166.0 g |
| Unit Type of Package 2 | S01 |
| Number of Units in Package 2 | 28 |
| Package 2 Height | 15.0 cm |
| Package 2 Width | 15.0 cm |
| Package 2 Length | 40.0 cm |
| Package 2 Weight | 4.893 kg |

Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Compliant with Exemptions |
| Mercury free | Yes |
| China RoHS Regulation |  China RoHS Declaration |
| RoHS exemption information |  Yes |
| Environmental Disclosure |  Product Environmental Profile |
| Circularity Profile |  End Of Life Information |
| 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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