



Main

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| Range | TeSys |
| Product name | TeSys SK |
| Product or component type | Mini contactor |
| Device short name | LC1SKGC |
| Contact application | Motor control Resistive load |
| Utilisation category | AC-1 AC-3 |
| Power pole contact composition | 3P |
| Pole contact composition | 3 NO |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz for power circuit 690 V AC ≤ 400 Hz for signalling circuit |
| [Ie] rated operational current | 20 A (≤ 50 °C) AC AC-1 9 A at ≤ 400 V AC AC-3 |
| 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 |
| Control circuit type | AC 50/60 Hz |
| [Uc] control circuit voltage | 120 V AC 50/60 Hz |
| Auxiliary contact composition | 1 NC |
| [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 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 at 50 Hz - Ith 20 A for power circuit |
| [Ui] rated insulation voltage | 690 V for power circuit conforming to CSA C22.2 No 14 690 V for power circuit conforming to BS 5424 690 V for power circuit conforming to IEC 60947 690 V for power circuit conforming to UL 508 690 V for power circuit conforming to VDE 0110 group C |

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

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|-------------------------|---|
| Mounting support | Panel Rail |
| Standards | BS 5424 IEC 60947 NF C 63-110 VDE 0660 |
| Product certifications | cULus |
| Connections - terminals | Connector 1 cable(s) 1.5...6 mm ² - cable stiffness: solid Connector 2 cable(s) 1.5...4 mm ² - cable stiffness: solid Connector 1 cable(s) 0.5...6 mm ² - cable stiffness: flexible - without cable end Connector 2 cable(s) 0.35...2.5 mm ² - cable stiffness: flexible - without cable end Connector 1 cable(s) 0.35...6 mm ² - cable stiffness: flexible - with cable end Connector 2 cable(s) 0.35...1.5 mm ² - cable stiffness: 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 7...14 ms coil energisation and NO closing 8...16 ms coil energisation and NC opening 8...10 ms coil de-energisation and NC closing |
| Mechanical durability | 10 Mcycles |
| Operating rate | 1200 cyc/h |

Complementary

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|---------------------------------|---|
| Control circuit voltage limits | 0.85...1.1 Uc at <= 55 °C operational 50/60 Hz 0.2...0.75 Uc at <= 55 °C drop-out 50/60 Hz |
| Inrush power in VA | 23 VA at 20 °C 50/60 Hz |
| Hold-in power consumption in VA | 4.9 VA at 20 °C 50/60 Hz |
| 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 |
| Product weight | 0.175 kg |

Contractual warranty

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| Warranty period | 18 months |
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