



Main

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| Product or component type | Mini contactor |
| Device short name | LP1SK |
| Contactor application | Resistive load |
| Utilisation category | AC-1 |
| Poles description | 2P |
| Pole contact composition | 2 NO |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz for power circuit |
| [Ie] rated operational current | 12 A (<= 55 °C) AC AC-1 |
| Control circuit type | DC standard |
| Control circuit voltage | 24 V DC |
| [Ith] conventional free air thermal current | 12 A at <= 55 °C for power circuit |
| Rms rated making capacity | 66 A at 690 V AC conforming to IEC 60947 66 A at 690 V AC conforming to NF C 63-110 |
| Rated breaking capacity | 52 A at <= 400 V for power circuit conforming to NF C 63-110 52 A at <= 400 V for power circuit conforming to IEC 60947 |
| [Icw] rated short-time withstand current | 50 A <= 55 °C power circuit |
| Associated fuse rating | 16 A gI at <= 440 V for power circuit conforming to IEC 60947 |
| Average impedance | 4 mOhm at 50 Hz - Ith 12 A |
| [Ui] rated insulation voltage | 690 V conforming to CSA C22.2 No 14 690 V conforming to BS 5424 690 V conforming to IEC 60947 690 V conforming to VDE 0110 group C 690 V conforming to UL 508 |
| Mounting support | Rail |
| Standards | IEC 60947 VDE 0660 NF C 63-110 BS 5424 |
| Product certifications | CSA UL |

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|-------------------------|---|
| Connections - terminals | Power circuit : connector 1 cable(s) 0.35...6 mm ² - cable stiffness: flexible - with cable end Power circuit : connector 1 cable(s) 0.5...6 mm ² - cable stiffness: flexible - without cable end Power circuit : connector 1 cable(s) 1.5...6 mm ² - cable stiffness: solid Power circuit : connector 2 cable(s) 0.35...1.5 mm ² - cable stiffness: flexible - with cable end Power circuit : connector 2 cable(s) 0.35...2.5 mm ² - cable stiffness: flexible - without cable end Power circuit : connector 2 cable(s) 1.5...4 mm ² - cable stiffness: solid |
| Tightening torque | 0.8 N.m - on connector - with screwdriver pozidriv No 1 |
| Operating time | 4...6 ms coil de-energisation and NO opening 8...12 ms coil energisation and NO closing |
| Mechanical durability | 10 Mcycles |
| Operating rate | 1200 cyc/h |

Complementary

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|--------------------------------|---|
| Control circuit voltage limits | 0.85...1.1 U _c at ≤ 50 °C operational 0.1...0.75 U _c at ≤ 50 °C drop-out |
| Inrush power in W | 2.2 W at 20 °C |
| Hold-in power consumption in W | 2.2 W at 20 °C |
| Heat dissipation | 2.2 W |

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 in temperature |
| Height | 56 mm |
| Width | 27 mm |
| Depth | 55.5 mm |
| Product weight | 0.132 kg |

Contractual warranty

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| Warranty period | 18 months |
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