

Product datasheet

Characteristics

LP4K09004JW3

TeSys K contactor - 4P (4 NO) - AC-1 <= 440 V
20 A - 12 V DC coil



Price* : 36.86 GBP



Main

| | |
|--------------------------------|---|
| Range of product | TeSys K |
| Range | TeSys |
| Product or component type | Contactor |
| Device short name | LP4K |
| Contactor application | Resistive load |
| Utilisation category | AC-1 |
| Poles description | 4P |
| Pole contact composition | 4 NO |
| [Ie] rated operational current | 20 A (at <50 °C) at <= 440 V AC AC-1 for power circuit 16 A (at <70 °C) at 690 V AC AC-1 for power circuit |

Complementary

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|--|---|
| Coil technology | Built-in bidirectional peak limiting diode suppressor |
| Control circuit voltage limits | Operational: 0.7...1.30 Uc (at <50 °C) Drop-out: 0.1...0.7 Uc (at <50 °C) |
| [Ui] rated insulation voltage | Power circuit: 600 V conforming to UL 508 Power circuit: 690 V conforming to IEC 60947-4-1 Power circuit: 600 V conforming to CSA C22.2 No 14 |
| [Uimp] rated impulse withstand voltage | 8 kV |
| Overvoltage category | III |
| Mounting support | Rail Plate |
| Flame retardance | V1 conforming to UL 94 Requirement 2 conforming to NF F 16-101 Requirement 2 conforming to NF F 16-102 |
| Tightening torque | 1.3 N.m - on screw clamp terminals - with screwdriver Philips No 2 1.3 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm |
| [Ue] rated operational voltage | Power circuit: 690 V AC 50/60 Hz |

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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| [I _{th}] conventional free air thermal current | 20 A (at 50 °C) for power circuit |
| I _{rms} rated making capacity | 110 A AC for power circuit conforming to NF C 63-110 110 A AC for power circuit conforming to IEC 60947 |
| Rated breaking capacity | 110 A at 415 V conforming to IEC 60947 110 A at 440 V conforming to IEC 60947 80 A at 500 V conforming to IEC 60947 110 A at 220...230 V conforming to IEC 60947 110 A at 380...400 V conforming to IEC 60947 70 A at 660...690 V conforming to IEC 60947 |
| Associated fuse rating | 25 A gG at <= 440 V for power circuit 25 A aM for power circuit |
| Average impedance | 3 mOhm - I _{th} 20 A 50 Hz for power circuit |
| Inrush power in W | 1.8 W (at 20 °C) |
| Hold-in power consumption in W | 1.8 W at 20 °C |
| Operating time | 30...40 ms coil energisation and NO closing 10 ms coil de-energisation and NO opening |
| Safety reliability level | B10d = 1369863 cycles contactor with nominal load conforming to EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1 |
| Mechanical durability | 30 Mcycles |
| Maximum operating rate | 3600 cyc/h |
| Height | 58 mm |
| Width | 45 mm |
| Depth | 57 mm |
| Product weight | 0.235 kg |

Environment

| | |
|---------------------------------------|----------------|
| Product certifications | UL CSA |
| Ambient air temperature for operation | -25...50 °C |
| Ambient air temperature for storage | -50...80 °C |
| Operating altitude | 2000 m without |

Offer Sustainability

| | |
|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |
| 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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