



Price* : 540.39 GBP



Main

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|--------------------------------|------------------------------------|
| Range | TeSys |
| Product name | TeSys F |
| Product or component type | Contactors |
| Device short name | LC1F |
| Contactors application | Resistive load |
| Utilisation category | AC-1 |
| Poles description | 4P |
| Power pole contact composition | 4 NO |
| [Ue] rated operational voltage | <= 690 V AC 50/60 Hz |
| [Ie] rated operational current | 250 A (at <40 °C) at <= 440 V AC-1 |
| [Uc] control circuit voltage | 230 V AC 40...400 Hz |

Complementary

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|---|---|
| [Uimp] rated impulse withstand voltage | 8 kV |
| Overvoltage category | III |
| [Ith] conventional free air thermal current | 250 A (at 40 °C) |
| Rated breaking capacity | 1200 A conforming to IEC 60947-4-1 |
| [Icw] rated short-time withstand current | 1200 A 40 °C - 10 s 700 A 40 °C - 30 s 600 A 40 °C - 1 min 450 A 40 °C - 3 min 350 A 40 °C - 10 min |
| Associated fuse rating | 160 A aM at <= 440 V 250 A gG at <= 440 V |
| Average impedance | 0.35 mOhm - Ith 250 A 50 Hz |
| [Ui] rated insulation voltage | 1000 V conforming to IEC 60947-4-1 1500 V conforming to VDE 0110 group C |
| Power dissipation per pole | 22 W AC-1 |

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| Mounting support | Plate |
| Standards | IEC 60947-4-1 IEC 60947-1 EN 60947-1 EN 60947-4-1 JIS C8201-4-1 |
| Product certifications | LROS (Lloyds register of shipping) RMRoS CCC DNV CB RINA UL ABS BV |
| Connections - terminals | Control circuit: screw clamp terminals 1 cable(s) 1...4 mm ² flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 1...4 mm ² flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm ² flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm ² flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm ² solid without cable end Control circuit: screw clamp terminals 2 cable(s) 1...4 mm ² solid without cable end Power circuit: bar 2 cable(s) - busbar cross section: 25 x 3 mm Power circuit: lugs-ring terminals 1 cable(s) 120 mm ² Power circuit: connector 1 cable(s) 120 mm ² Power circuit: bolted connection |
| Tightening torque | Control circuit: 1.2 N.m Power circuit: 18 N.m |
| Control circuit voltage limits | Operational: 0.85...1.1 U _c 40...400 Hz (at 55 °C) Drop-out: 0.35...0.55 U _c 40...400 Hz (at 55 °C) |
| Inrush power in VA | 770 VA 40...400 Hz cos phi 0.9 (at 20 °C) |
| Hold-in power consumption in VA | 8.1 VA 40...400 Hz cos phi 0.9 (at 20 °C) |
| Heat dissipation | 5.9...7.2 W |
| Operating time | 35 ms closing (at U _c) 130 ms opening (at U _c) |
| Mechanical durability | 10 Mcycles |
| Maximum operating rate | 2400 cyc/h 55 °C |
| Compatibility code | LC1F |

Environment

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|---|---|
| IP degree of protection | IP2x front face with shrouds conforming to IEC 60529 IP2x front face with shrouds conforming to VDE 0106 |
| Protective treatment | TH |
| Ambient air temperature for operation | -5...55 °C |
| Ambient air temperature for storage | -60...80 °C |
| Permissible ambient air temperature around the device | -40...70 °C |
| Operating altitude | 3000 m without |
| Height | 170 mm |
| Width | 200.5 mm |
| Depth | 171 mm |
| Product weight | 3.83 kg |

Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| 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 |

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|--------------------------|---|
| 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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